Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

LIBRARY
RECEIVED
JUN 12 1940
U. S. Department of Agriculture

VAUGHAN'S
Super Swiss Giant
Pansy Mixture

Vaughan's MID-SUMMER OFFER *June* 1940

CHICAGO, 601 W. JACKSON BLVD. — NEW YORK, 47 BARCLAY ST.

HODALY'S IDEAL

"SNAPS" For Greenhouse Forcing

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

SPECIAL OFFER—WHERE PRICE IS:

$1.00 per pkt., we supply any 3 for $2.50; any 5 for $3.50; any 7 for $4.55
$1.50 per pkt., we supply any 3 for $4.00; any 5 for $6.50
$2.00 per pkt., we supply any 3 for $5.00; any 5 for $7.50

NOTE: Combination prices apply to orders for one or more varieties.

Varieties preceded by a star (*) are best for early winter flowering.
Varieties followed by a cross (×) we can supply in ½ trade pkts. at 60c each.

Trade pkt.

NEW INTRODUCTIONS

Klondyke Supreme. Deep intense golden yellow with extra large individual florets, early and continuous bloomer. $1.50

Mary Ellen (Yoder) is a light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets. 2.00

St. Louis Early Pink (Rowe). It is a beautiful shade of flesh pink, the well placed flowers being produced on wiry stiff stems. A minimum of lateral growths is produced, making it possible to set the plants close together in the beds. Comes in crop in December and blooms heavily through January and February. Flower spikes being 10 to 12 inches in length and the flowers do not shatter. 2.00

Schaffroth's Pink. A beautiful soft rose pink. Early flowering, starting in early December and coming in full bloom at Christmas and will cut all through January. May be grown as a second crop which will be in fine flower for Mother's Day. Fine spikes, is a clean grower, wonderful keeper and the flowers rarely drop. Received a Silver Medal at the New York Florist Club meeting, spring 1940. ..... 2.00

Windmiller's Lilac. Excellent orchid, true to type and color, early, hardy wiry stems, small foliage, productive. Has made good far and wide. Certificate New York Florists Club, February 12, 1940. ..... 2.00

Yellow Wonder. Bezdek. Early and free flowering. Has a good stiff stem, a fine commercial variety, and a beautiful yellow shade that strongly appeals to retailers. 2.00

BRONZE

*Afterglow. Golden bronze × 1.00

*Glorious (Frank). A highly attractive deep bronze shaded scarlet with closely set spikes. 1.50

Kirkwood Beauty. Bronze with a cast of gold—a striking color. 1.00

*Miss Wooster (De Witt). The color is a dazzling rich dark bronze. Early blooming, the heads of blooms are very large and compact. It is an ideal shipping variety. 1.00

New Dawn. Afterglow is better.

*New Deal. Very early, fragrant, golden bronze. 1.00

*Sunlight. Improved New Deal, finest early golden bronze. 1.00

Talisman (Windmiller). Improved strain, all double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination with other flowers. 2.00

LAVENDER

Bertha Baur. Standard lavender. 1.00

Schrock's Orchid. True orchid color with exceptionally long and beautiful spikes. Spring flowering. 1.00

Schumann's Lavender. A true color, produces a strong sturdy stem with a spike of large moderately close flowers. An early variety that will not shatter. 2.50

ORANGE

Hodaly's Ideal. Color, a blend of carmine rose shading into rich orange, tipped with lemon-yellow. Lips golden yellow, slightly suffused with carmine, white throat. Good grower, strong stiff stem, well supplied with heavy luxuriant foliage. Large flowers, well formed heads. Winter-flowering strain, blooming in four months from seed. First Prize Winner at the 1939 Chicago Flower Show. 2.00

PINK

Cheviot Supreme Appleblossom (Windmiller). In color it resembles Verbena Mayflower. In late spring the color deepens to salmon-rose. Best in February. Does not shatter. 1.50

Daybreak (Breitmeyer). Strong, vigorous pink. Same shade as the Rose Briarcliffe. Heavy winter producer. 1.00

Marie Louise (Raasch). Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set. 2.00

*Peggy Schumann (Schumann). A new medium pink, a large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots. An early bloomer 2.00

Radiance (Thomson). A lovely, deep pink. 1.00

Rose Queen (Witterstaetter). Dark pink ×. 1.00

Terry's Surprise, Improved. Pink and bronze shades. 1.00

*Winter Helen. Lovely salmon-pink, early and winter bloomer. 1.00

RED

Velvet Beauty. Rich American Beauty red in color. 1.00

VAUGHAN'S SEED STORE Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

601 West Jackson Boulevard, CHICAGO • 47 Barclay Street, NEW YORK

This List Cancels All Previous Offers

Cash Discounts on Flower Seeds: On all orders for flower seeds totaling less than $25.00 5%, and over $25.00; 8% may be deducted if cash is enclosed.

ANTIRRHINUM for Greenhouse Forcing—Continued Trade pkt.

ROSE

*Cheviot Maid, Supreme. Deep rose-pink X $1.00

*Christmas Cheer. (Windmiller). Conceded the best early pink. Easy to grow, sure to bloom, pleasing color, good at any time. First cross hybrid from Rose Pink Cheviot. Try this under artificial light 2.00

Gilbert's Pink Queen Supreme. This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads 1.50

La France (Windmiller). True strain, single plant selection, 100% true to type and color, ruffled satiny pink, excellent spikes and stem and a favorite with everyone. Will surely take front rank when known. Certificate N. Y. Florists Club February 12, 1940 ..... 2.00

New Cincinnati. The finest light rose 1.00

*Rose-Pink Cheviot Supreme (Windmiller). Early, hard, wiry stems, small foliage, excellent keeper and shipper, intense color. Best in January 1.50

WHITE

Captor. Pure white, fair habit 1.00

Cheviot Maid Pure White. (Yoder). Flowers well placed. 1.00

*Lucky Strike. Well known pure white, grows three to four feet with splendid full spike of flowers; does not drop or shatter X 1.00

Marion White (Schumann). A real white, large close flowering spike off a strong, sturdy stem, throwing small foliage 1.50

Snow White (Windmiller). Late white for Easter and Mother's Day. A glorious white for weddings and church decorations. Stately spikes of white on long stems 1.50

Westover's Fringed White. A great favorite in the East, should be shown in May or early June for winter flowering. 1.00

*White Prosperity. A pure white 1.50

*White Wonder (Bezdek). A fine pure white. Free and early flowering 1.00

YELLOW

Celestial (Witterstaetter). Yellow, long stemmed and large-flowered 1.00

*Ceylon Court Canary Yellow. Our introduction 1.00

Cheviot Maid. Yellow. (Volz) 1.00

Coate's Yellow Perfection. Deep golden yellow. Spring flowering 1.00

*Ethel (Kramer). Is a large, bright yellow flower, winter bloomer, well formed head, good stems, easy to grow, early and shatterproof 1.50

Gorgeous (McFarland). Outstanding new yellow, slightly lighter than Coate's Yellow. Large individual flowers forming spikes 15 to 20 inches long. Excellent for use after Mums. Sow after August 15th 2.00

Roman Gold. A deep golden yellow with a lip a lighter yellow X 1.00

*Suntan. Rose shade of tan with tinge of yellow on lip X .. 1.00

Greenhouse Varieties Mixed. With pinks predominating. .75

Begonia Fibrous-Rooted

These Begonias make excellent spring flowering plants in small pots or for combination use.

	Trad pkt.	Oz.
Gracilis Pink Pearl. Of dwarf, compact habit—6 to 8 inches high this new Begonia is one of the very best for pot culture. The plants form perfect balls and the flowers are well above the fresh green foliage seed limited	$1.00	.....
Red Pearl. Same as Pink Pearl in growth, height and blooming habit. Color brilliant dark scarlet	1.00	.....
Luminosa. Deep dark scarlet, foliage reddish brown, 10 in. 1/32 oz., $1.80; 1/16 oz., $3.00	1.00	$40.00
Dwarf Luminosa. Extra dwarf, scarlet. Fine for pots. 8 in. 1/32 oz., $3.60; 1/64 oz., $2.00	1.00	.....
Carmen. Bright rose flowers, bronze foliage 1/64 oz., $1.80; 1/32 oz., $3.20	1.00	.....
Carmen Scarlet—see Indian Maid.		
Carmen White 1/64 oz., $1.40	1.00	.....
The Carmen varieties are very attractive, especially under electric lights, on account of bronze foliage.		
Fireball. Fiery crimson, 10 in.	.50	.....
Indian Maid. 10 in. Bright deep scarlet buds and flowers with deep bronze foliage 1/32 oz., $3.50; 1/64 oz., $2.00	1.00	.....

BEGONIA Gracilis Pink Pearl

BEGONIA GRACILIS—Continued	Trade pkt.	Cz.
Prima Donna. Limpid rose, shading to carmine, most beautiful, 10 to 12 in. 1/32 oz., $2.00	$1.00	.....
Radio (Rundfunk). Large flowered, shining, pure carmine-scarlet green foliage. 1/32 oz., $2.20	1.00	.....
White Pearl. White, 10 in. 1/32 oz., $1.50	.50	.....
Christmas Cheer Red. A very large-flowered variety, color, dark crimson-scarlet. 1/64 oz., $1.40; 1/32 oz., $2.20	1.00	.....
Christmas Pink. Identical to above variety only the color is a delightful shade of warm rose-pink. 1/32 oz., $2.40	1.00	.....
Semperflorens Albert Martin. Bright carmine, very large flowers, 14 in. 1/32 oz., 75c.	.50	.....
Adeline (Improved Darling). Very dwarfest habit; bright pink flowers and green foliage, very attractive. 1/64 oz., $2.25	1.00	.....
Elegance. The plant is of bushy habit, medium tall and most free flowering. The individual flowers are large, pink and white center. Foliage clear green. 1/64 oz., $2.00	1.00	.....
Enchantress. Fresh rose color	.50	.....
Fire Sea (Blaze of Fire). Red flowers, green foliage. 8 in. 1/32 oz., $2.00	1.00	.....
G. Knaacke. Glowing salmony pink. 1/32 oz., $1.40	.50	.....
Glow. Foliage bronze, flowers glowing scarlet. 1/64 oz., $1.50	1.00	.....
King of the Reds. Very dwarf, glowing scarlet, bronze foliage	1.00	.....
Lightning (Thunderbolt). Large flowers 2 in. across and deep carmine scarlet shade. 10 in. 1/64 oz., $1.50	1.00	.....
Heterosis Essen, 1938. The buds are a bright cherry red, turning to amaranth cerise as they open. The plant branches freely and is of dwarf habit	1.00	.....
Little Midget. A remarkably early and willing bloomer. Plants when only an inch or two in height flower freely. Color a pretty dark carmine	1.00	.....
Multiflora Fl. Pl. Mrs. Helen Harms. Heretofore it has been necessary to propagate this delightful Begonia by means of cuttings. Now we can offer seed which will produce about 90% double flowers. The flowers are a deep canary yellow and are about 1½ in. in diameter. The foliage is small. In the second year the tubers produce much larger plants and many more flowers	1.00	.....
Rosabella. Light rose	1.00	.....
Scandinavia. A new outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering. 3 Trade Pkts. $4.00	1.50	....
Salmon Queen. Large salmon red blooms, 12 in. 1/32 oz., $1.50	.50	.....
Winter Romance. Carmine pink flowers, light green foliage	1.00	.....
Special Mixture of Bedding Begonias. 1/32 oz., $1.00	.50	.....

TYPE OF GREENHOUSE CALENDULA

Aloe Variegata

or "Tiger Aloe," the finest and most favored quick growing succulent with beautifuly variegated leaves. Seedlings of 9 to 12 months of age, potted up in Tom Thumb pots, are salable in unlimited quantity. 100 seeds, $1.25; 1,000 seeds, $9.00.

Asparagus

Write for prices on larger lots.

Plumosus Nanus. (Lath House grown.) Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 250 seeds, 40c; 1,000 seeds, $1.00; 5,000 seeds, $4.50; oz., 80c; lb., $8.00.

Falcatus. Valuable bushy green for cutting purposes. Shiny dark green leaflets, that are larger than Sprengeri. 100 seeds, 65c; 1,000 seeds, $5.00.

Sprengeri. 250 seeds, 35c; 1,000 seeds, $1.00; 5,000 seeds, $4.50; oz., 80c; lb., $8.00.

Calendula Forcing Varieties

	Trade pkt.	Oz.
Ball Apricot. Light straw or buff color with showy dark center.		
Ball Gold. Has long stem and extra large, uniformly double flowers. Light eye.		
Ball Lemon Queen. Deep lemon yellow with attractive dark eye.		
Ball Improved Long Orange. Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. Quite outstanding for extra large flowers and long stems.		
Ball Long Orange. Long-stemmed, bright golden orange, light center.		
Ball Masterpiece. Extra long-stemmed deep orange with brown center.		
Ball White (Moonlight). The lightest in color of all the Calendulas, being a beautiful soft cream yellow.		
Each of the above Ball Varieties.....¼ oz., 60c; 2 oz., $3.50; 4 oz., $6.50; lb., $20.00	$0.40	$2.00
Ball Varieties. Mixed.....¼ oz., 50c	.30	1.50
Vaughan's Improved Sensation (Campfire). Long stems, very double, brilliant orange flowers. The blooms are very flat in shape. ¼ oz., 60c; 2 oz., $3.50	.40	2.00

Our Trial Grounds, located at Western Springs, Illinois, are open to visitors during the summer and fall and we extend a cordial invitation to all interested in horticulture to visit them. Every variety is plainly marked.

CANDYTUFT Giant Hyacinth Flowered. Tr. pkt., 20c; oz., 75c; lb., $7.50.

Candytuft

	Tr. pkt.	Oz.
Giant Hyacinth-Flowered. Select, Pure White. This is a superior strain; it grows about 1½ feet high, with enormous trusses of blooms. The best strain in existence for florists use. ½ oz., 40c; 4 oz., $2.25; lb., $7.50	$0.20	$0.75
Coronaria Empress. White. For outdoor planting in the south.....lb., $2.40	.10	.25
Umbellata Carminea. Carmine, 12 in.....lb., 3.60	.15	.40
Alba. White, 12 in.....lb., 3.60	.15	.40
Flesh-Pink 12 in.....lb., 3.60	.15	.40
Lilacina. Lilac, 12 in.....lb., 3.60	.15	.40
Purpurea. Crimson, 12 in.....lb., 3.60	.15	.40
Rose Cardinal. Rose-pink, 12 in.....lb., 5.00	.15	.60
Vaughan's Special. Mixed.....lb., 5.00	.15	.50

Clarkia Elegans Double

Albatross. Pure white	.15	.60
Appleblossom. Delicate pink	.15	.50
Brilliant. Salmon	.15	.50
Carmine Queen. Deep carmine	.15	.50
Chieftain. Mauve	.15	.50
Enchantress. Salmon pink	.15	.50
Firebrand. Copper scarlet	.15	.60
Glorious. Crimson scarlet	.15	.80
Illumination. Orange and rose	.15	.60
La France. Pale salmon pink	.15	.50
May Blossom. Pure glowing rose	.15	.50
Orange King. A good orange	.15	.50
Purple Prince. Rich purple	.15	.50
Rosy Morn. Rose. Very double	.15	.60
Ruby King. Rich ruby purple	.15	.50
Queen Mary. Carmine	.15	.50
Salmonea Perfecta. True salmon, extra double	.15	.60
Scarlet Queen	.15	.50
Vaughan's Special Mixture	.15	.80

Clarkia should have no more soil than is needed to give proper depth in the flat, less than 3 inches. They can also be grown in 2¼-inch pots. They require warm conditions. In a cool house they stand still until temperature warms up.

Vaughan's Calceolarias

These Make Wonderful Plants for Easter or Mother's Day

For Calceolarias, use a mixture of loam, leaf-mold and sharp sand. This mixture is suitable both for the seed pans and the pots into which the seedlings, when ready, should be planted. Perfect drainage is important. Calceolaria seed being very fine the seeding should be done with great care and it is suggested that one use a sheet of white paper on which a tablespoon of white sand is distributed. Then shake the seed on top of this sand and mix thoroughly. Then, sprinkle this mixture on the soil of the seed pan, dusting surface with a little fine sand, cover with a sheet of glass and place in the shade. For moisture, immerse the pans in water. As the seedlings come up lift them carefully when quite small and prick them off into a flat allowing two inches square for each plant. It is important that the leaves of one plant should never be allowed to overlap those of another or decay will probably result. When established in pots shift them into the larger size. At the last shift give them some manure water, not too strong, about once a week.

	Trade pkt.
★**Hybrida Grandiflora Triumph Strain.** An outstanding strain. Bright shades of yellow, orange, red and rose; the flowers are large and mostly tigered or spotted. This strain produces bushy, shapely plants with clean foliage... 1/32 oz., $8.00; 1/64 oz., $4.50	$1.25
Hybrida Grandiflora Extra Choice Mixed. Our mixture is composed of the choicest selections of the tigered, marbled, spotted and variegated varieties. A mixture of two superior European strains..... 1/32 oz., $3.50; 1/64 oz., $2.40	1.00
Monarch Strain. An exceptionally fine strain with large flowers and exquisite markings. ..... 1/64 oz., $2.25; 1/32 oz., $4.00	1.00
Grandiflora. Nana Tigrina. Dwarf mixed...... 1/64 oz., $2.40	1.00
★**Multiflora Nana Mixed.** The average size of the blooms is only 1½ inch, but the amount of flowers produced is unsurpassed. The color scheme is extraordinarily gay and full of contrast. Pinch out center to make a well shaped bushy plant..... ..... 1/64 oz., $4.25; 1/128 oz., $2.25	1.00
Multiflora Nana, Indian Prince. Rich dark scarlet with orange suffusion..... ..... 1/128 oz., $2.25	1.00
Multiflora Nana Golden Tiger. Bright golden yellow flowers with dark brownish red dots, freely produced above the foliage..... 1/64 oz., $3.50	1.00
Albert Kent's Hybrids. A very lovely variety for either greenhouse or outdoor culture. The flowers are intermediate in size and produced in large graceful clusters in delicate shades..... 1/32 oz., $3.60; 1/64 oz., $2.00	1.00
Kelway's Perfect Model. Large heads of very large flowers, which are well rounded and filled out, and of the richest as well as the most delicate colors; most marvelous variety of shades and markings, self, spotted, blotched and striped..... ..... 1/64 oz., $2.25; 1/32 oz., $4.00	1.00
Feltham Glory. This attractive hybrid has fairly dwarf compact habit and large flowers. The range of color of the numerous flowers includes scarlet; orange, buff, rich brown and golden yellow in self, blotched and spotted forms..... 1/128 oz., $1.80	1.00
Rugosa Aurea, Golden Rain. Pure yellow.....	1.00
Rugosa Major, Mixed, 12 in.....	1.00

The Rugosa varieties furnish splendid cut flower material besides being good pot plants. The flowers are much smaller than the Hybrida, are produced in clusters and keep well in water after cutting.

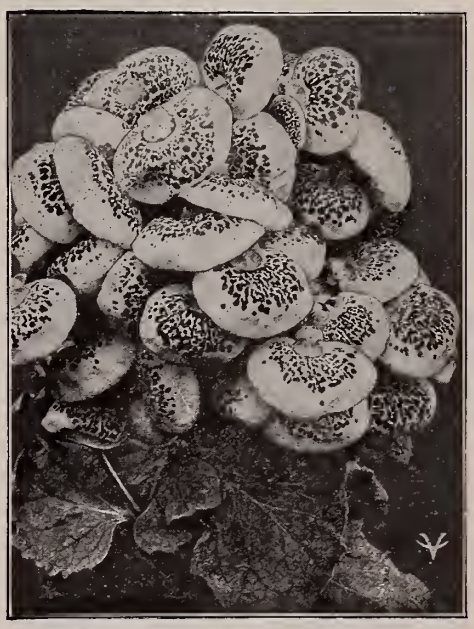
	Trade pkt.
"Flower Cloud." This is a cross between the C. Rugosa and Grandiflora. The most free blooming Calceolaria, in all colors. Of a very vigorous growth and resistant against weather influences. Leaves are rather elastic, like those of the Rugosa, making them easy to pack and ship..... ..... 1/128 oz., $3.80; 3 trade packets for $2.70	$1.00

Super Giant Centaurea Cyanus
(Cornflower)

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

		Trade pkt.	Oz.
Black Boy. Blackish maroon.....	4 oz., $1.50	$0.15	$0.50
Blue Boy. Rich deep blue, very large flowers.....	lb., $4.00; 4 oz., $1.30	.15	.40
Pinkie. Deep pink.....	lb., $4.00; 4 oz., $1.30	.15	.40
Red Boy. Deep red.....	4 oz., $1.30	.15	.40
Snowman. Best white.....	4 oz., $1.30	.15	.40
Vaughan's Mixture of Super Giant. New Varieties Mixed.....	4 oz., $1.40	.15	.40

CALCEOLARIA Hybrida Grand. Triumph



CALCEOLARIA Grandiflora Extra Choice Mixed

CALCEOLARIA Flower Cloud

CINERARIA Multiflora Nana. Cremer's Prize. Potsdam Strain (Weissensee) Berlin Market

Cineraria Hybrida

Vaughan's Columbian Mixture. It consists of a mixture made up by ourselves of the choicest large flowering strains, of our Gold Center Nana Multiflora type and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. 1/64 oz., $1.80; 1/32 oz., $3.00; 1/16 oz., $5.50 ..... about 1000 seeds — Trade pkt. $1.00

Howard and Smith's Strain. A very fine selection from a California specialist. Seed from the originator. 1/64 oz., $2.60 — 1.00

Large-Flowering—Separate Colors

White Azure Blue Old Rose. Pink to rich coppery red.
Crimson Dark Blue Matador. Deep copper scarlet.
Rosamond. Pink, white ring, dark center.
Each of the above ..... 500 seeds. — .50

James' Giant. Mixed. A well-known English strain ..... 1000 seeds — 1.00

Mixture of Gold Center, Cremer's, Siter's and Berlin Markets ..... 1/64 oz., $1.75 — 1.00

Cremer's Prize. Re-selected. The petals in most of the blooms of this strain are wide, numerous and overlap well to form attractive heads. The plants can be finished in smaller pots, too, making shapely specimens covered with masses of blooms. The seed we offer naturally came from the introducer (when introduced). We have greatly improved this strain as to uniformity of size, color range and freedom of bloom. ..... 1/8 oz., $14.00; 1/16 oz., $7.50; 1/32 oz., $4.00 — 1.50

Hybrida Multiflora Nana. Produces dwarf plants with masses of small flowers, measuring about 3/4 in. in diameter, in compact heads over small and dainty foliage. The flowers are self-colored.

Azure Blue Rose Dark Red
Dark Blue Rose Carmine

Each of the above ..... 500 seeds — .50

Multiflora Nana. Mixed, all colors ..... 1/32 oz., $2.00 — 1.00

Multiflora Nana Maxima, Mixed. 1/64 oz., $1.80; 1/32 oz., 3.20 — 1.00

Potsdam Strain. (Weissensee). (Berlin Market) Mixed. Flowers larger and plants somewhat taller than Multiflora Nana with a wonderful color range ..... 1/32 oz., $2.80; 1/64 oz., $1.50 .. — 1.00

Crimson Dark Blue Rose.
White Salmon Rose shades

Each of above ..... 500 seeds — .50

Blue with White Eye ..... — 1.00

Rose with White Eye ..... — 1.00

Siter's Rainbow Strain. Mixed ..... — 2.00

CINERARIA—Continued — Tr. pkt.

Plenissima. Double mixed. Good for cutting .... 500 seeds $0.50

Star Cineraria (Cineraria Hybrida Polyantha). Fine, small-flowering varieties for cutting and decorative purposes. Plants grow 3 ft. high ..... 1/32 oz., $1.20 — .50

Feltham Beauty. Somewhat dwarfer than above, but with larger flowers and broader petals; nearly all have white centers ..... 1/32 oz., $1.30 — .50

Polyantha Stellata. Blue. Rich, dark blue, 2 ft. 1/32 oz., $1.20 — .50

Polyantha. Salmon Pink. A fine new shade .. 1/32 oz., $1.30 — .50

CINERARIA "GOLD CENTER" OF THE MULTIFLORA NANA TYPE

This new strain is distinguished by the golden yellow stamens —in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. We strongly recommend this variety. See back cover for colored illustration.

500 seeds, 60c; 1000 seeds, $1.00; 1/64 oz., $2.00

CYCLAMEN Persicum Giganteum Binnewies Strain

Cyclamen

Cyclamen Persicum Giganteum

250 seeds of one variety at 1000 rate, less than 250 seeds of one variety at 100 rate.

Binnewies—German Strain

Well known strain we have carried for several years. Seed supplied in originator's packets.

	100 Seeds	1,000 Seeds
Bonfire. Brilliant salmon	$1.85	$16.50
Bright Red	1.25	11.00
Dark Blood Red	1.25	11.00
Lavender	1.25	11.00
Morning Red (Sunrise). Light salmon, dark eye	1.60	13.00
New Ruffled Mixed	2.20	20.50
Orange Beauty. Orange vermilion	2.00	18.50
Pink Pearl. Salmon pink	2.00	18.50
Pure Rose	1.25	11.00
Pure White	1.25	11.00
Rococo Erecta Mixed. Large fringed flowers	1.75	14.50
Saffron Red	1.50	12.00
Saffron Red Silver Edge	1.85	16.50
Salmon Scarlet (America Improved)	2.20	17.50
Salmon Rose Improved	1.65	14.50
Salmon Dark. (Glory of Wandsbek or Perle of Zehlendorf)	1.65	13.00
Salmon Light (Rose of Zehlendorf)	1.65	13.00
Soft Rose with Carmine Eye (Improved Rosa von Marienthal)	1.25	11.00
White with Carmine Eye	1.25	11.00
White Crested	1.75	14.50
Binnewies Strain Mixed	1.20	10.00
Baardse's Wonder. Salmon flowers bordered white, compact habit of plant, free bloomer	1.65	13.00

Double Cyclamen

It is a full double petaled flowering strain, the individual flowers averaging 10 petals. Seed from originator.

Admiration.—A beautiful salmon rose with shaded eye.
Cerise Brilliant—Rich cerise red.
Prosperity—An azalea type, flaming rose color, extra fine and a heavy bloomer.
Rosea—A soft rose with a coral cast shading lighter at tips.
Four Varieties Mixed.
Each of the above four and mixed, 100 seeds, $2.50; 1,000 seeds, $20.00.

Chinese Forget-Me-Not

	Ttade pkt.	Oz.
Cynoglossum Amabile, Blue Bird. A lovely plant 18 to 24 inches tall, with bright blue flowers. May be grown either outside or under glass. Makes wonderful cut flower. ¼ oz., 25c	$0 15	$0.80
Amabile. Pink	.15	.50
Fairy Blue. Attractive deep Cambridge blue	.15	.40
Firmament. A compact variety of bushy growth, 15 to 18 inches tall. Smothered with rich dark blue flowers. ¼ oz., 50c	.25	1.60

Coleus

Frederici. Thisbeautiful flowering Coleus is undoubtedly one of the most valuable plants for greenhouse decoration during the winter months, and is very easy to raise from seed. The color is pure deep cornflower blue. Sown in April the plants will flower freely from October onwards and a June sowing can be relied upon to produce plants to be at their best about Christmas-time. The earliest-sown plants will grow to a height of 3 feet, whilst the later-sown ones may attain only about 2 ft. Seeds should be sown in moderate heat and for the final potting 8-inch pots are suitable. From October onwards an atmosphere of about 55 degrees will be necessary to produce the best results. Award of Merit R. H. S. .50 ....

DRACAENA Indivisa. Narrow green leaves. lb., $4.00	.15	.40
Australis. Green and red colored leaves	20	.90

DIDISCUS COERULEUS
Vaughan's Improved Wilt Resistant Blue Lace Flower.
An improved variety with flowers of a deeper blue and half again as large. Strong heavy stems, many measuring 18 inches from first joint with well shaped flowers measuring 2½ to 3½ inches in diameter. Seeds planted before the end of June will flower in fall and through the winter. Not over Carnation temperature needed. Trade pkt., $1.00; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $8.00.

	Tr. pkt.	Oz.
GESNERIA Robusta Perfecta Hybrids. A fine pot plant. It belongs to same as class the Gloxinias and needs same culture in greenhouse	$1.00	.....
GREVILLEA Robusta. Silk Oak. Good for fern dishes. lb. $8.00	.15	$0.80
Robusta Pyramidalis. Pyramidal habit. ¼ oz., 60c	.25	2.00

Gypsophila

	Trade pkt.	Oz.
Elegans Grandiflora Alba. London Market Strain. Ours is the improved 8-9 overlapping petal strain. Pure white, not to be confused with the ordinary 4-5 petal type. ¼ lb., 50c; lb., $1.60; 5 lbs., $6.50	....	$0.20
Elegans Carminea. Deep rose. lb., $2.40	$0.10	.25
Crimson. lb., 2.40	.10	.25

Exacum

Affine. An easily grown pot plant with very fragrant flowers of bluish lilac color with yellow stamens. Excellent for basket work. 6 in. ¼ oz., $2.00; trade pkt., 50c.

Affine Atro-Coeruleum. Dark blue. Trade pkt., $1.00.

EXACUM AFFINE

GLOXINIA Type of Vaughan's Columbian Mixture

Gloxinia Hybrida

Vaughan's Columbian Mixture is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and we know that better seed is not to be had at any rate. Trade pkt. (about 1,000 seeds), $1.00; 1/32 oz., $3.00.

Vaughan's "Beacon." Flowers rich dark red. The plants produce from 50 to 70 flowers and this is only possible with a strain producing many flowering side growths. A fully grown plant makes about three dozen leaves and if one or more leaves are broken, they may be cut off without deforming the plant. Flexible leaves making for easier wrapping and packing. 1,000 seeds, $1.00

		Trade pkt.	Oz.
Danube. White with broad blue margin		$1.00	.....
Emperor Frederick. Scarlet, white margin		1.00	.....
Emperor William. Dark blue, bordered white	1/64 oz., $1.50	1.00	.....
Othello. Purple	1/64 oz., $1.50	1.00	.....
Scarlet Queen. Deep scarlet	1/64 oz., $1.50	1.00	.....
Snow Queen	1/64 oz., $1.50	1.00	.....
Wandsbeker Blut. Large brilliant dark red flowers. The leaves are soft, do not break.	1/64 oz., $1.80	1.00	....
Waterloo. Black red, passing to deep carmine	1/64 oz., $1.50	1.00	.....
Gigantea Mixed	1/64 oz., $1.40	1.00	.....

KALANCHOE
Globulifera Var. Coccinea

Kalanchoe

Globulifera Var. Coccinea. Popular Winter flowering pot-plant. In form they are similar to the well known Bouvardia flower, but the color is a very bright scarlet. That the flowers do not fade is of great advantage to the sale of plants and, last but not least, they develop their flowers in the wintertime when such a rich coloring is in demand. Culture instruction with seeds. 1,500 seeds, 60c; 3,000 seeds, $1.00.

ANNUAL LARKSPUR GIANT IMPERIAL

Annual Larkspur

Larkspurs are one of the annuals which have been introduced successfully as a greenhouse cut-flower proposition recently. The ease of culture, short time of production and low initial cost of seed make this one of the best catch crops a florist can plant.

To get satisfactory germination from Larkspurs in the hot summer, it is necessary to chill the seeds in an ice box for several days before sowing. Larkspurs must be grown cool.

GIANT IMPERIAL OR BASE BRANCHING—4 ft.

This type is the most desirable for outdoor growing. A new race of annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting:

Blue Bell. Fine medium blue, deeper than sky blue, lighter than lilac.
Blue Cockade. Rich lilac blue.
Blue Spire. Dark blue.
Carmine King.
Coral King. Blush pink with a suffusion of coral.
Daintiness. Delicate lavender.
Dazzler. Rich scarlet.
Exquisite Pink Improved. Salmon-pink.
Gloria Improved. Rich deep rose salmon.
Lilac Spire. Beautiful lilac color.
Los Angeles. Salmony scarlet.
Miss California. Deep pink on salmon.
White King. Glistening pure white.

Each of the above, Trade Pkt., 25c; oz., $1.00; lb., $10.00.

Giant Imperial Vaughan's Special Mixed. All colors. Trade Pkt., 20c; oz., 80c; lb., $8.00.

STOCK-FLOWERED—4 ft.

Dark Blue.
Empress Rose. Hermosa pink.
La France. Salmon pink.
Lilac Supreme. Deep lilac.
Newport Pink.
Rosamond. Pure rose.
Rose Queen. Deep rose pink without salmon shading.
Sky-Blue (Ageratum Blue).
White.

Each of the above, Trade Pkt., 20c; oz., 50c; lb., $5.00.

Stock Flowered Vaughan's Special Mixed. Trade Pkt., 15c; oz., 40c; lb., $4.00.

IMPROVED GIANT HYACINTH-FLOWERED 45 in.

Plants produce one long non-branching spike.		Tr. pkt.	Oz.
Dark Blue, Pink, Purple, White, Lilac	Each, lb., $8.00	$0.25	$0.80
Mixed Improved Giant Hyacinth Fld.	lb., 5.00	.15	.50

LISIANTHUS Russellianus (Eustoma). An excellent pot plant with rich violet blue flowers with black center and yellow stamens. Sow heat in Spring, keep fairly moist during Summer. Blooms in four months from seed. Upright and compact free flowering habit. 1 2/3 ft. 1/16 oz., $9.00; oz., 50c.

Annual Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop."

		Tr. pkt.	Oz.
Hartwegii. Dark Blue, Oxford-Blue, 24 in.	lb., $3.00	$0.10	$0.30
Albus. White	lb., 3.00	.10	.30
Light Blue. Cambridge-Blue	lb., 3.00	.10	.30
Rose Queen. The color is rose-pink	lb., 4.00	.15	.40
Mixed	lb., 2.00	.10	.20
Giant or King Lupinus. This improved new giant strain reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.			
King Dark Blue	lb., $5.00	.15	.50
King Sky-Blue	lb., 5.00	.15	.50
King White	lb., 5.00	.15	.50
King Mixed	lb., 5.00	.15	.50
Sulphureus Superbus. Annual Yellow. Takes well of the Chicago market, 28 in.	lb., $4.00	.15	.40

Marigold

For best results, seed should be sown from July up to December. Plant in any house that can be kept free from frost. No insect pests.

Tall African Double Fistulosa, 3 Ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

Lemon Queen, Los Angeles Florist Strain. All double. Trade pkt., 25c; ¼ oz., 50c; oz., 1.60; 4 oz., $5.00

Prince of Orange, Los Angeles Florist Strain. All double. Trade pkt., 25c; ¼ oz., 50c; oz., 1.60; 4 oz., $5.00.

Chrysanthemum Flowered Incurved Mixed. This new strain is identical in form of flower to a lovely incurved Chrysanthemum. The plants are very floriferous and the stems are good and strong for cutting. Colors vary from deep orange to light orange and from deep yellow to light yellow. Trade pkt., 25c; ¼ oz., 70c; oz., $2.40.

Yellow Supreme. Rich creamy, broad loose-leaved petals of honey fragrance. Trade pkt., 20c; ¼ oz., 40c; oz., $1.40; 4 oz., $4.00.

Guinea Gold. Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2½ ft. Trade pkt., 20c; ¼ oz., 40c; oz., $1.40; 4 oz., $4.00.

Lieb's Winter Flowering. Mahogany brown with golden yellow crested center. Trade pkt,, 35c; ¼ oz., 60c; oz., $2.00.

Lieb's Winter Flowering Sunshine. Golden orange, yellow center. Trade pkt., 35c; ¼ oz., 60c; oz., $2.00.

Australian Tall Tree. 4½ ft. Golden yellow and brown. Latest for winter blooming. Trade pkt., 25c; ¼ oz., 35c; oz., $1.00.

Mignonette

True Machet. Vaughan's Selected Stock.	¼ oz., 25c	.15	.80
New York Market. Greenhouse grown seed. This is an extra choice strain of Mignonette for greenhouse culture		1.00	.....

Naegelia Hybrid Mixed

Naegelia is a genus of tropical American Gesneria-like plants closely related to Achimenes and is handled in much the same way, except that the varieties usually available in seeds do not have tuberous roots like those of Achimenes and the Gloxinias and therefore are handled somewhat differently during the dormant period. Although these plants may be propagated by means of offsets, they are so easily grown from seeds that most growers will likely favor the last named method. An excellent pot plant. Trade pkt., $1.00.

Nasturtium

Double Fragrant Varieties

	Oz.	¼ lb.	Lb.
Tall Caprice. Primrose and salmon-cerise blotched, streaked or mottled in various degrees, often changing considerably in different flowers on the same plant	$0.25	$0.60	$2.00
Golden Gleam. Semi-double, yellow	.10	.30	1.00
Fire Gleam	.10	.30	1.00
Indian Chief. Foliage dark green, vivid scarlet flowers	.30	.80	3.00
Mahogany. Large, double, sweet-scented, dark mahogany-red flowers borne with the greatest freedom well above the foliage of the semi-tall plants. Outstanding	.15	.40	1.40
Orange Gleam. Orange	.15	.30	1.00
Salmon Gleam. Golden salmon	.15	.30	1.00
Scarlet Gleam. Bright orange-scarlet, fragrant	.10	.25	.80
Supreme. Salmon-cerise	.15	.30	1.00
Glorious Gleam Hybrids. Wonderful range of color in double and semi-double flowers	.10	.25	.80
Dwarf Delightful. Soft salmon-cerise, the upper petals prettily marked crimson-maroon	.25	.75	2.80
Garnet Gem. Deep, rich, very bright garnet-red with just enough orange to enliven it with an iridescent glow	.50	.....	.....
Golden Globe. Yellow	.10	.30	1.00
Globe of Fire. Scarlet	.15	.40	1.40
Mahogany Gem. Velvety, brilliant flowers are rich deep mahogany	.25	.60	2.00
Orange Glory. The large, sweet-scented flowers are bright orange; base of each of the upper petals and most of the inside of the throat are painted with deep garnet-brown	.25	.75	2.80
Primrose Gem. Sweet-scented soft primrose colored flowers	.25	.75	2.80
Ruby Gem. Large double, sweet-scented, bright ruby colored flowers	.15	.40	1.40
Gem Mixed	.10	.30	1.00

Vaughan's Giant Pansies

SWISS SEPARATE SORTS

	Trade pkt.	¼ Oz.	Oz.
Swiss Alpenglow. Rich wine-red shades ⅛ oz., $1.00	$0.50	$1.75	$6.00
Swiss Berna. Dark violet-blue ⅛ oz., 85c	.50	1.50	5.00
Swiss Black Monarch ⅛ oz., 85c	.50	1.50	5.00
Swiss Blue (Ullswater. Thuner Sea). The most distinct rich deep ultramarine blue with darker blotches ⅛ oz., 85c	.50	1.50	5.00
Swiss Coronation Gold. Flowers canary-yellow with lower petals flushed golden orange, round flowers as much as 3 in. across, with slightly ruffled edges. This is the best pure yellow pansy ⅛ oz., 85c	.50	1.50	5.00
Swiss Luna. Soft sulphur yellow self without blotches, round substantial flower with frilled edge. A delicate and lovely color, varies ⅛ oz., $1.25	.50	2.25	8.00
Swiss Ophir. An improved Rhinegold. Blotched golden yellow ⅛ oz., $1.00	.50	1.75	6.00
Swiss Pure White. Very free-blooming, large, well shaped flower. The best pure white Pansy ⅛ oz., $1.00	.50	1.75	7.00
Swiss Pure Yellow. The flowers are not so large as those of the other Swiss sorts	.50	1.35	5.00
Swiss Rhinegold. Canary-yellow with dark blotches ⅛ oz., $1.00	.50	1.75	6.00

SEPARATE SORTS

	Trade pkt.	¼ Oz.	Oz.
Adonis. Light blue, white center	$0.25	$0.40	$1.40
Apollo. Bronze	.25	.50	1.60
Beaconsfield. Deep purple, upper petals white	.25	.40	1.40
Black. Large flowered, true black	.25	.40	1.40
Blue Boy (Early Flowering). Clear, pure silvery lilac	.25	.40	1.40
Bugnot. Shades of red, bronze and cardinal	.25	.70	2.40
Rembrandt. Compact habit of plant, long stemmed, five blotched, vivid bronze-orange	.50	1.20	4.20
Cardinal. Brilliant red	.25	.60	2.00
Delft Blue. Porcelain-blue ⅛ oz., 90c	.50	1.65	6.00
Emperor William. Dark navy-blue	.25	.40	1.40
Fire Beacon. Very unusual shade, bright wallflower red with a touch of orange ⅛ oz., $1.25	.50	2.25	8.00
Fanal. Scarlet without an eye	.35	1.20	4.00
Golden Queen. Yellow without blotches	.25	.40	1.40
Madame Perret. Shades of pink and rose	.25	.40	1.40
Orion. Early flowering, deep golden yellow blotched	.25	.75	2.40
President McKinley. Golden yellow, five spotted	.25	.60	2.20
Prince Henry. Darkest blue	.25	.40	1.40
Purple. Very large, rich deep purple	.25	.40	1.40
White with Dark Eye. Very large	.25	.40	1.40
White, Pure. Without blotches	.25	.40	1.40
Yellow with Black Eye	.25	.40	1.40

Pansy Trials Grown in Raised Bench at Vaughan's Greenhouses, Western Springs, Ill.—Spring 1940

PANSIES—Continued

Pansies have long been a favorite with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety, Maple Leaf, several years ago.

Each year we make extensive tests of all pansies in our greenhouses in Western Springs (this year we used two houses exclusively for them). The plants are checked for trueness of color and type and the mixtures for balance of color harmony. Next spring make a note to come out and see them during March and April.

How to Sow Pansy Seeds. Sow the seeds in a cold frame in light soil without any fertilizer. Cover the seeds very lightly with the same soil and keep moist. Shade the seed bed with cheesecloth or a muslin screen, and as soon as all the plants are up remove the screen. Or you may sow them in a large pot or seed pan.

To be sure of fine, strong Pansy plants, we suggest the following, applied as a top-dressing by the end of March or early April.

2 parts dried blood.		2 parts steamed bone meal.		1 part potash	
Trade pkt.	Oz.	Trade pkt.	Oz.	Trade pkt.	Oz.	Trade pkt.	Oz.

Vaughan's Long Stemmed Winter-Flowering Reselected Mixed. This strain is the result of a great amount of individual plant selection work and represents the finest strain of Long Stemmed Pansies that we have ever seen. It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from 2½ to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Midwinter blooming and give support early. See illustration in color on back page taken in our greenhouses at Western Springs. Trade pkt., $1.00; ⅛ oz., $2.00; ¼ oz., $3.50.

GIANT MIXTURES

VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size; 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—salmons, yellows, pinks, rich reds and blues, are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $1.80; oz., $6.00; 2 oz., $11.50; 4 oz., $20.00.

VAUGHAN'S SUPER SWISS GIANT MIXTURE

We have made a special mixture from three or four growers' stocks. Many of the flowers are five blotched. All the vivid colors of the type are represented in their enormous size and wavy and crinkly flowers. Trade pkt., 75c; ⅛ oz., $1.20; ¼ oz., $2.00; oz., $7.00.

See outside front cover for illustrations in color of this variety.

SWISS DWARF MIXED

For those who desire a dwarfer plant than the original type, we have had our grower make this selection. The colors are the same as in the original strain but the plant itself is considerably shorter. Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $1.80; oz., $6.00; 4 oz., $20.00.

VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 50c; ⅛ oz., $1.00; ¼ oz., $1.80; oz., $6.00; 4 oz., $20.00; lb., $70.00.

VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

This strain is even finer than the above, with flowers of unbelievable size and texture, larger than in any other strain, the plants are also of compact growth and the extra large foliage is a rich, dark green. Trade pkt., 75c; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $9.00.

VAUGHAN'S GIANT MIXTURE

Besides a good share of the "Fancy" strains such as Masterpiece, Swiss Giant, etc., this mixture contains all the self colors such as white, yellow, blue, purple, red, bronze, etc., and is probably the best "general" high grade mixture obtainable. All the flowers are of the "Giant" type. Trade pkt., 50c; ¼ oz., $1.25; oz., $4.00.

VAUGHAN'S INTERNATIONAL MIXTURE

This is a mixture of special strains such as Bugnot, Masterpiece, Swiss Giants, Triumph of the Giants, Boulogne Giants—all 3- and 5-spotted flowers of largest size and great substance in the most varied colors and color combinations. Since this mixture contains but very few self colors, such as white, blue and yellow, these should be ordered separately if desired. Trade pkt., 50c; ⅛ oz. 90c; ¼ oz., $1.65; oz., $6.00; 4 oz., $20.00.

GENEVA GIANT MIXED

A special selection of Swiss Giants. The seed we supply is from the originator in Geneva, Switzerland. Trade pkt., $1.00; ⅛ oz., $2.25; ¼ oz., $4.20; oz., $16.00.

PANSY-VAUGHAN'S DWARF SUPER SWISS MIXED (Dwarf Geneva Giant)

Special selection of Geneva Giants of dwarf habit. Rich assortment of colors. Trade pkt., 50c; ⅛ oz., $1.00; oz., $7.00.

America, Ideal Bedding or Basket Pansy (Improved Donovan). Good substance with wide color range. Free-flowering. Trade pkt., 50c; ¼ oz., $1.80; oz., $6.00; 4 oz., $20.00; lb., $70.00.

Boulogne Giant Mixture. The flowers are of large size, great substance. Trade pkt., 50c; ⅛ oz., $1.40; ¼ oz., $2.60.

Donovan's Strain. Used by Michigan growers. Trade pkt., 50c; ¼ oz., $1.40; oz., $5.00.

Engelmann's Special Mixture. Scottish show type, immense flowers, bronze and reddish shades, compact and early flowering. Trade pkt., 50c; ⅛ oz., $1.20; ¼ oz., $2.25; oz., $8.00.

Engelmann's Giant Mixture. Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 50c; ⅛ oz., $1.20; ¼ oz., $2.25; oz., $8.00.

Orchid-Flowered Eldorado Art Shades. A lovely type, including only pretty tints and combinations of cream, primrose, pale mauve and other delicate shades, the well formed flowers being exquisitely frilled. These delicate shades should not be mixed with stronger colors. Trade pkt., 35c; ¼ oz., $1.25; oz., $4.00.

Jumbo Mixed. Extra large and early; long stemmed flowers. Trade pkt., 50c; 1/16 oz., $1.00; ⅛ oz., $1.75; ¼ oz., $3.25; oz., $12.00.

Masterpiece—Giant Curled. The colors are superb, mostly red and brown shades. Trade pkt., 25c; ¼ oz., 60c; oz., $2.20.

Trimardeau Mixed. Many colors. Trade pkt., 15c; ¼ oz., 30c; oz., $1.00; lb., $12.00.

Triumph of the Giants. A mixture of brilliant colored varieties. Trade pkt., 35c; ¼ oz., 85c; oz., $3.00.

True Scotch Show Mixture. Fancy mixture in excellent range of colors, including carmine, ruby and brown, all beautifully blotched, with flat substantial flowers. Short habit, large leaves. Trade pkt., 50c; ¼ oz., $1.80; oz., $6.00.

PRIMULA Obconica Grandiflora Fassbender Red

Primula Obconica

Grandiflora Avalanche. White.
Bavaria. Blood red. **Konigsee.** Sky-blue.
Listed originally last year by us they became very popular in the trade. The flowers are particularly large, of good substance and brilliant colors. Each of above, 1,000 seeds, $1.00.

		Tr. pkt.
Gigantea Rosea. Fine	1/32 oz., $1.80	$1.00
Salmon Queen	1/64 oz., 1.80	1.00
Mixed	1/32 oz., 1.80	.50
Grandiflora. Appleblossom. Pink		1.00
"Better Days." Deep carmine red. Very large flowering		1.00
Fassbender Red. Flowers rich deep red, of enormous size	1/64 oz., $2.50	1.00
Lachsrosa (Friesdorf). A beautiful salmon-rose		1.00
Mueller's (Berlin). **Rose**	1/32 oz., $3.50; 1/64 oz., $1.80	1.00
Mohnstein's Dark Red	1/64 oz., $2.00; 1/32 oz., $3.80	1.00
Rose Queen. Large, perfect blooms of great substance, bright carmine rose	1/64 oz., $2.00	1.00
Mixed	1/64 oz., $1.00; 1/32 oz., $1.80	.50

We can supply the above Primula Obconica in sealed glass tubes at an additional cost of 10 per cent.

Primula Chinese Giant

Trade pkt. of any of the following, except as noted otherwise, 250 seeds, each, 50c.

Chiswick Red Improved. Red.
Covent Garden White.
Giant Pink. Extremely large petals of great substance.
Giant Salmon. Massive heads of flowers of great substance.
Queen Mary. Rose-pink.
True Blue.
Vaughan's International Mixture. 1/32 oz., $2.00; 1/64 oz., $1.25.
Giant Mixed. Includes this year a number of new shades. 1/32 oz., $2.80.
Dazzler. A brilliant and unique shade of orange-red, exceptionally floriferous and long lasting, robust constitution. Trade pkt., 250 seeds, $1.00; 1/64 oz., $2.50.

Primula Chinensis Stellata

This type is indispensable for general decorative work. The plants are very floriferous and bloom for a long period. It is a good keeper, the flowers remain fresh in water for many days.

Giant Blue Star. Giant Salmon Pink Star. Giant White Star. Giant Star Mixed.

Each of the above, Trade pkt., (250 seeds), 50c.

Primula Malacoides "Melody"

This distinct novelty has an attractive color, being a pure soft rose tinged salmon and without any lilac tint. The flowers are large, slightly fringed and are very freely born on well shaped compact plants. Trade pkt., $1.00.

Primula Various Sorts

Recent improvements in this Baby Primrose class have made them indispensable for Florist's use. Seed sown in May or June will produce large plants for Christmas. September sown seed will produce nice plants for Easter and Mother's Day.

See outside back cover page for Four New Primula Malacoides.

Malacoides.		Tr. pkt.
Dawkin's Carmine King	1/64 oz., $1.80; 1000 seeds,	$0.50
Princess Mary. Deep rose pink	1/64 oz., $1.00	.50
Rosea Superba. Beautiful pink	1/16 oz., $1.40	.50
Salmon Rose	1/32 oz., $1.40	.50
Snow Queen. Single white	1/64 oz., $1.80; 1000 seeds,	.50
Double White	1/32 oz., $1.80; 1000 seeds,	.50
Erikssoni. Appleblossom. Pink and white	500 seeds,	1.00
Baby Rose. Deep rose	1/32 oz., $2.00	1.00
Brilliancy. Opens lavender, changing to crimson-red	1/64 oz., $2.50	1.00
Glory of Riverside. A true light rose pink—comes about 75% true—a real new color in Malacoides	$2.00 per 1000 seeds, 500 seeds,	1.25
New Baby. Lavender-pink	1/64 oz., $1.80	1.00
Salmon Beauty. True salmon	3000 seeds $2.60	1.00
Snow King. Pure white	1/64 oz., $1.80, 1000 seeds	1.00
Wonder Baby. Pink	1/64 oz., $2.50	1.00
Erikssoni Mixed	1/32 oz., $1.80	.50
Kewensis. Yellow, decorative, winter-flowering greenhouse plant. 12 in.	1/32 oz., $1.25	.50

Suggestions for Sowing Seeds During the Summer Months

During the hot months of July and August fine seeds such as Calceolaria, Cineraria, Snapdragon, and finer perennial seeds, etc. should be sown in flats (as usual) and the flats placed in a cool basement until the seedlings sprout, when taken to greenhouse and some cheese cloth placed over them until the seedlings are of sufficient strength to have it removed.

Sweet Peas Early-Flowering Spencer Novelties

SWEET PEAS SKIPPY

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes. This list is compiled on the basis of hundreds of reports from our customers and our own information.

All our Sweet Pea seed sent to you will be treated with Cuprocide (red copper oxide), unless ordered without this treatment.

Sweet Pea seed treated with Cuprocide **must not be soaked before sowing.**

★**Boon.** Deep salmon-pink on light cream ground. ½ oz., 20c; oz., 30c; 4 oz., $1.00; lb., $3.40.

Bridesmaid. A charming deep silvery pink with stems unusually long. ½ oz., 20c; oz., 35c; 4 oz., $1.20; lb., $4.00.

Chime. A most pleasing shade of light salmon-pink on cream ground. Oz., 30c; 4 oz., $1.00; lb., $3.40.

Cinderella. Pure, clear pale or silver blue. Blossoms very large and highly frilled. ½ oz., 20c; oz., 40c; ¼ lb., $1.25; lb., $4.00.

Danube. Large, ruffled blooms of a clear lavender-blue, on long straight stems. ½ oz., 20c; oz., 30c; 4 oz., $1.00; lb., $3.40.

★**Daphne.** A soft salmon-pink on a cream ground. The flowers are of great size, with beautifully expanded and waved standards. ½ oz., 20c; oz., 30c; 4 oz., $1.00; lb., $3.40.

Delicious. Crushed strawberry color. Oz., 50c; ¼ lb., $1.60; lb., $6.00.

Emblem. Beautiful salmon-pink tone on the cream ground. ½ oz., 20c; oz., 30c; 4 oz., $1.00; lb., $3.40.

Iris. Deep "Iris Blue," with the widespread wings keeping to a bit lighter hue than the standard, which is very broad and quite wavy. Oz., 40c; ¼ lb., $1.25; lb., $4.80.

Peeress. A robust growing; gives a heavy crop of blossoms. Color is pleasing clear rose cerise. Oz., $1.00; 4 oz., $3.50; lb., $12.00.

Fragrant Early Flowering Spencer Sweet Peas

Amethyst, Royal Purple.
Blue Bird, Violet-blue.
Fragrance, Large frilled lavender.
Giant Rose, Extremely large rose pink.
Harmony, Clear Lavender.
Laddie Improved, Light rose-pink.
Mrs. Herbert Hoover, Clear deep blue.
Snowstorm Improved, Large pure white.

Sweet Pea Notes

As suggested by Mr. Anthony Maier, the well known Eastern Specialist on a recent visit to his range. For early sowing for winter flowering; sow first week in August the following:

Boon
Bridesmaid
Burpee's Lavender
Danube
Daphne (for late also)
Jeanne Mamitsch
Sequoia (for late also)
Triumph
White Champion

For late sowing for spring flowering the following:

Daphne (for early also)
Harmony
Laddie Improved
Michigan
Mrs. Holscher
Mrs. H. Hoover
Pride
Sequoia (for early also)
Skippy
Snow Queen
White Harmony

Sequoia is better than **Ball Rose Improved.**

Snow Queen is better than **Hope** for spring flowering variety as it retains the pure white color when the long days come.

The new "Intermediate" or "Spring flowering "should be sown in January as if it is sown earlier it is inclined to drop the buds. We will offer these in our 1941 catalog.

Princess Blue. Rich light blue. Oz., 40c; 4 oz., $1.25; lb., $4.80.

Rose Picotee. Pure white with salmon-rose edging or picotee. It is definitely a new color in the early group. Oz., 50c; ¼ lb., $1.40; lb., $5.00.

★**Sequoia.** A rich golden salmon-cerise pea, frilled and wavy. The flowers are enormous, on long stout stems. ½ oz., 20c; oz., 30c; 4 oz., $1.00; lb., $3.40.

Skippy. Light salmon-pink. Oz., $1.40; ¼ lb., $4.50; lb., $16.00.

★**Snow Queen.** (New), pure white, black seeded, opens and retains white color. Oz., 50c; ¼ lb., $1.70; lb., $6.00.

Sonnet. The flowers are very large, a soft pink shade, borne on long stout stems by very vigorous growing vines. Oz., 30c; 4 oz., $1.00; lb., $3.40.

Sterling is a large duplexed salmon rose with an abundant array of four and five graceful duplexed flowers on strong, heavy stems. Each flower is beautifully formed and of almost a self color, having only a trace of silvery-white in its base. Oz., 50c; ¼ lb., $1.70; lb., $6.00.

Sunproof Orange. Of a bright scarlet-orange hue—with a hint of more orange in the standard. Oz., 40c; ¼ lb., $1.25; lb., $4.80.

★**Tahoe.** Both the wavy standards and ruffled wings have the same delightful shade of mid-blue. ½ oz., 20c; oz., 30c; 4 oz., $1.00; lb., $3.40.

Treasure Island. A sparkling golden orange, very large flowered and semi-duplexed. Oz., 90c; ¼ lb., $3.20; lb., $12.00.

★**Triumph.** Lovely soft lilac-mauve. ½ oz., 20c; oz., 30c; ¼ lb., $1.00; lb., $3.40.

★**White Champion.** Best early-flowering white seeded white. Exceptionally long stems, carrying usually four flowers each. ½ oz., 25c; oz., 40c; ¼ lb., $1.25; lb., $4.40.

GENERAL LIST

EARLY-FLOWERING SPENCER

Any of the following, except where noted otherwise, ½ oz., 20c; 1 oz., 30c; ¼ lb., $1.00; lb., $3.40.

BLUE

Blue Bird. Violet blue. Fragrant.
Blue Bonnet. Extra large, fine deep blue.
Blue Boy. Clear blue.
Eleanor Blue. Silver blue.
Florist Blue. Pure blue.
Mariner. Clear blue flowers.
★**Mrs. Herbert Hoover.** Best early clear blue. Fragrant.
Top Hat. Deep purple-blue.

CREAM

Oriental. Deep cream, black seeded large flowers.

LAVENDER

Burpee's Lavender. Lovely light Wisteria lavender.
Fragrance (Intermediate). Large frilled lavender flowers, fragrant.
★**Harmony.** Most popular lavender.
Memory. Rosy lavender.
Michigan. A mammoth dark, pure lavender.
★**Vogue.** An improved Early Harmony, standard lilac-lavender, flushed rosy lavender with wings clear lilac-lavender.

Sweet Peas—Early-Flowering Spencer—Continued.

Any of the following, except where noted otherwise, ½ oz., 20c; 1 oz., 30c; ¼ lb., $1.00; lb., $3.40.

ORANGE

Ball Orange Improved. ½ oz., 20c; oz., 35c; ¼ lb., $1.20; lb., $4.00.
Forty-niner. Bright deep orange.
★Valencia. Color bright orange, sunproof.
Zvolanek's Orange Beauty. Free blooming, fiery orange, does not burn.
Zvolanek's Supreme Orange. Clear orange, large flowers, strong stems.

ROSE AND PINK

Annie Laurie. Richest tone of pure rose-pink.
American Beauty. A rich crimson rose.
★Ball Rose Improved. Extra rich deep rose
Colossal Rose. Largest rose-pink, long stem.
Columbia (Intermediate). Salmon-rose standard, white wings.
★Eileen. Rich Begonia-rose with salmon shading.
Exposition Pink. Large waved rich pink, long stems.
Florist Rose. A pure rose-pink.
Giant Rose. Rose-pink. Fragrant.
★Jeanne Mamitsch. Striking pink, shading off to deepest pink.
Josie. Brilliant rose-pink, vigorous, large flowers; long stems.
★Laddie Improved. An enormous rose-pink. Fragrant.
Majestic Rose. Immense deep rose-pink flowers on long stems.
★Mrs. R. H. Holscher. Rose-pink.
Pride. Pure cerise, large flowers on long stems.
★Ramona. Coral rose with yellow and pink shadings.
Shirley Temple. A soft rose-pink. It has long stems.
Sunray. Brilliant glowing yet soft cerise on cream ground.
Titania. Mammoth flowered deep rose self, with white ground at the base. Oz., 60c; ¼ lb., $2.00; lb., $7.00.

SALMON

★Apollo. A soft salmon-pink. Fine spring bloomer.
★Mrs. Calvin Coolidge. Rich salmon-pink.
Zvolanek's Salmon. Salmon-cerise, large flowers, strong stems.

SCARLET

★Grenadier. A glowing poppy-scarlet.
★Red Bird. Bright crimson red.
Redwood. A deep, bright rich crimson.
Vulcan. Vivid scarlet.

WHITE

Burpee's White. Glistening white, sweet scented.
★Hope. A mammoth-flowered black-seeded pure white.
Snowstorm Improved. White, of great substance. Fragrant.
★White Harmony. A standard black-seeded white.
Zvolanek's White Rose. Mammoth flower, beautifully shaped.

MISCELLANEOUS

Amethyst. An early-flowering "Royal Purple." Fragrant.
Elk's Purple. Long stemmed reddish purple.
Early-Flowering Spencer. Vaughan's Special Mixture from named sorts.

Saintpaulia Ionantha Grandiflora

(African Violet)

The large dark-blue flowers which resemble violets, are produced very freely; plants having as many as 25 blossoms and more at one time are not unusual. The attractive small velvety leaves, which are almost stemless, form a neat cushion from which rise these attractive flowers. The plants can be kept in flower throughout the year, given only a short rest period by withholding water. Complete, detailed cultural instructions are sent with the seed.

1-128 Oz., $7.00. Trade Pkt, $1.00

Ionantha Cordata. Dark cordated leaves, strong growth and large flowers of a deep lavender color. Blooms in 6 months from seed ..... Trade pk. $1.00 — Oz. ....

Sedum Bellum "Dondo"

A NEW WINTER-BLOOMING POT PLANT

This new sedum forms dense little clumps literally covered with small white flowers. The plants grow 10-12 inches in height and when older the fleshy branches hang over the edge of the pots, forming a most charming and attractive subject. Trade pkt., 60c.

SCHIZANTHUS Vaughan's Dwarf Masterpiece

Schizanthus

Use Schizanthus flowers in corsages. They are long lasting and make up very attractively.

VAUGHAN'S DWARF MASTERPIECE

This is to our knowledge the best strain of Schizanthus in existence. The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well-balanced from light pink to rose, very pleasing dark violet, all with conspicuous blotches. A splendid item for Mother's Day. Trade pkt., 50c; 1/16 oz., $1.00.

	Trade pkt.	Oz.
Vaughan's Excelsior Hybrids. An extra select strain with large flowers containing a perfect blend of colors for greenhouse culture. Makes a fine cut flower. ..... 1/16 oz., $1.00	$0.50	....
Pansy-flowered. The large smooth-edged Pansy-flowered blooms are remarkably substantial, while the rich self-colors in all shades of pink, crimson, mauve and purple, as well as white, are extremely bright and attractive ..... 1/8 oz., $1.00	.35	....
SAPONARIA Vaccaria Rose. Incorrectly spoken of as Pink Gypsophilia. The light graceful sprays of glistering flowers produced in greatest profusion. ..... lb., $1.40	....	$0.15
Vaccaria Alba. White ..... lb., 1.40	....	.15
SMILAX ..... lb., 5.00	.15	.50
STATICE Suworowii. Russian. Also known as "Rat Tail." Flowers bright rose color. Sow inside for winter blooming ..... 4 oz., $2.00	.15	.60
STEVIA Serrata. White, fine cut-flower. ¼ oz., 40c	.25	1.40
Lindleyana. White. Is very useful for florist work ..... 1/8 oz., $1.00	.50	....

Streptocarpus (Cape Primrose)

NEW ENGLISH HYBRIDS

A superb strain with a wide range of colors. Lovely in shades of pink, mauve, lavender, white, deep rose, carmine and blue, some with white throats, others penciled. The flowers attain a diameter of 2 inches and over, similar to Gloxinias. They are borne on wiry stems. A fine pot plant for winter-blooming. The seeds are small and require but very little covering. For soil use the same as for Gloxinias and should be grown rather cooler than Gloxinias.

Largest Hybrids Mixed, Tr. pkt., $1.00; 1/64 oz., $1.80

STOCK NON-BRANCHING COLUMN

Stocks

Varieties preceded by star (★) are the most popular colors.

Our Stock seed is secured from the most reliable growers, who devote much time and attention to roguing and selecting, and better seed cannot be had. We have furnished seed for many years to the most critical growers of this plant.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by S. L. Emsweller, will be included in all orders for Column Stock seed.

"NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2½ ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

American Beauty. Deep rose.
★Ball Blue. Dark lilac blue.
★Chamois Pink.
Lilac Lavender. Several shades darker than Silvery Lilac.
Malmaison Pink. Beautiful shell pink.
Moonlight. Light yellow.
Ruby. Rich crimson red.
★Silvery Lilac. Lilac lavender.
★White tinged rose.

★Ball Pink (No. 11). Light rose-pink, exact shade of Bismarck Rose. Long-stemmed flowers, well placed on stem. A very pleasing color in the Non-Branching type.

Ball Rose Pink (No. 14). A deep selection from Ball No. 11; a rose-pink, not a deep heavy rose. Long-stemmed, therefore about ten days later than Ball No. 11. Cood market color.

Lilac Lavender. Several shades darker than Silvery Lilac.

Each of the above: ½ **trade pkt., 60c; trade pkt., $1.00; ¼ oz., $2.50; oz., $9.00.**

Non-Branching Column. Mixed. All colors. ½ trade pkt., 60c; trade pkt., $1.00; ⅛ oz., $1.25; ¼ oz., $2.25; oz., $8.00.

★Vaughan's White No. 1. By personal inspection this strain is, in our judgment, the finest pure white Non-Branching Column Stock in existence. ½ trade pkt., 60c; trade pkt., $1.00; ⅛ oz., $1.50; ¼ oz., $2.50; oz., $9.00.

Gardenia. New. Flowers of the purest white. Trade pkt., $1.25; ⅛ oz., $2.50; ¼ oz., $4.50; ½ oz., $8.00; oz., $15.00.

GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"
Blue "Pacific"
Chamois "Santa Barbara"
Lavender "Tahoe"
Pink "Monterey"
Rose "Yosemite"
Sequoia Rose carmine
White "Santa Maria"
Yellow "Golden Gate"

Trade pkt., 35c; ⅛ oz., 65c; ¼ oz., $1.15; oz., $4.00.

Mixed, the above. **Trade pkt., 25c; ⅛ oz., 60c; oz., $3.40.**

Velvety Violet (Mojave). Trade pkt., 50c; ⅛ oz., $1.00.

IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2½ ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Antique Copper **Appleblossom.** (Used by many for white.)
★Buttercup. Deep golden yellow.
★Chamois **Dark Blue** **Elk's Pride.** Royal purple.
Flesh. Delicate pink **Fiery Blood-Red**
Golden Rose **★Lavender** **★Lilac** **Old Rose** **★Rose**

	Trade pkt.	Oz.
★Shasta. Vigorous, glistening white. Each of the above.....⅛ oz., 60c; ¼ oz., $1.00	$0.35	$3.00
Giant Bismarck, Mixed. All colors.....¼ oz., 60c	.25	2.20
★White Wonder. It is a tall growing variety of the Bsmarck type in habit. The heads are very large and the individual flowers are closely set and of extraordinary size.....¼ oz., 90c	.35	3.20

Early Colonial. Blooms earlier than other branching types, grows 30 to 36 in. tall. The individual florets are 2 inches across and they form clusters or spikes 15 inches long. The percentage of double runs about 70%.

Mayflower. Red rose.
Puritan. Pure white.
} Each, tr. pkt., 50c.

ACONITUM Napellus

ANCHUSA Myosotidiflora.
Tr. pkt., 50c.

One of the most attractive of spring blooming perennials. A real gem for the border.

ANTHEMIS Sancta Johannis.
Tr. pkt., 25c; ¼ oz., 80c; oz., $2.80.

Seeds of Biennials and Hardy Perennials

Perennials fill a large and interesting place in the operations of an up-to-date florist establishment. Some are as easily raised as annuals; quite a few may be forced; others make fine pot plants; and many furnish splendid cutting material. The rock garden requirements absorb all the low-growing varieties and the florist with his eye to the future will devote considerable space to perennials of all kinds. They require little heat, if any, and not much care.

SEED GERMINATES SLOWLY AND IRREGULARLY

of the following varieties and seed bed should be prepared where it will be undisturbed for a year or more.

Acanthus Mollis, Aconitum, Adonis Vernalis, Anemone, Asperula Odorata, Clematis, Delphinium Cardinale, Delphinium Zalil, Delphinium Nudicaule, Dictamnus, Dielytra, Doronicum, Gentiana, Helleborus Niger, Incarvillea, Iris, Phlox Decussata, Primulas (Alpine) Trollius and nearly all Alpines.

	Trade pkt.	Oz.
Acaena Glauca. × Silvery green foliage, for carpeting and rock steps, 2 in.	$0.25	....
Acanthus Latifolius (Bear's Breech). Fine foliaged decoration plant. 3 ft. lb., $3.00	.10	$0.30
Achillea Ageratum. × Yellow, scented, 24 in.	.25	....
Filipendula. Parker's Var. A splendid cut flower. The flowers, if cut when fully open, may be dried for later use. Yellow, 4 to 5 ft. ¼ oz., 70c	.25	2.40
Millefolium Kelwayi. Magenta red, 18 in. ¼ oz., 50c	25	....
Cerise Queen. Dark cherry-red, 24 in.	.50	....
Rubra. Magenta red, 24 in. ¼ oz., 50c	.25	1.60
Ptarmica Fl. Pl. The Pearl. Abundant small white flowers, for cutting, 30 in. ¼ oz., 50c	.25	1.80
Tomentosa Aurea. × Flowers are umbells of Buttercup yellow above close set mats of silver grey foliage, 6 in.	.50	.....
Aconitum (Monk's Hood). Fischeri. Azure Monk's hood, 1½ to 2 ft. Sept.-Oct. short spikes of clear blue flowers and bright glossy foliage	.25	....
Napellus. Dark blue, 36 in. ¼ oz., 45c	.25	1.40
Wilsoni. Mid-blue, large and late flowering ¼ oz., 60c	.25	2.00
Barker's Variety. Branching habit, flowers pretty amethyst blue. ¼ oz., 75c	.30	2.60
Mixed. Blue shades. ¼ oz., 50c	.25	1.80
Adlumia Cirrhosa. Allegheny Vine. Beautiful rose flowers. Maidenhair Fern-like leaves are borne in great profusion on slender twining stems.	.25	....
Adonis Vernalis (Flower of the Gods, Ox Eye). Large golden yellow flowers, 12 in. ¼ oz., 50c	.25	1.60
Aethionema Coridifolium (Lebanon Candytuft). Light rosy purple, 8 in. ⅛ oz., $1.50	.35	....
Agathea Coelestis (Blue Daisy). Pot grown plants in greenhouse, flower more freely. Plant seed in July, place in carnation house in fall. A few plants will supply useful blossoms all winter. 40 in. ¼ oz., 40c	.25	1.20
Agrostemma Coronaria Atrosanguinea (Rose Campion). Deep blood-red, 28 in.	.10	.30
Coronaria, Mixed	.10	.20
AGROSTEMMA—Continued.	Trade pkt.	Oz.
Flos Jovis. Carmine-rose, 16 in.	$0.10	$0.40
Hybrida Walkeri. Brilliant rosy purple, 16 in.	.10	.40
Allium Pulchellum. × Brilliant loose clusters of reddish lilac flowers, August, 16 in.	.35	....
Allwoodii, see Dianthus.		
Alstroemeria Aurantiaca. Orange, streaked with red, 3 to 4 ft. Fine for cutting. ¼ oz., 60c	.25	2.00
Chilensis (Pulchella). Finest mixed. ¼ oz., 60c	.25	2.00
Alyssum Argenteum. × Yellow-flowered, silvery foliage, 24 in. ¼ oz., 50c	.25	1.80
Rostratum. Yellow. Free-flowering, 16 in. ¼ oz., 60c	.25	....
Saxatile Compactum (Gold Dust). Golden yellow, 12 in. ¼ oz., 25c	.15	.80
Sulphureum (Citrinum). Sulphur-yellow, 15 in. ¼ oz., 60c	.25	2.00
Serpyllifolium. 2 to 3 in. plant, woody at base, covered with grey leaves, producing an abundance of small yellow flowers in late April and early May	.35	....
Rock Garden Perennial Species, Mixed. ¼ oz., 1.00	.35	....
Ampelopsis Veitchi, Boston Ivy. Clean seed. lb., 2.00	.10	.20
Anchusa Affinis. Probably the easiest to grow and without question the most graceful. Beauty lies in its gracious curves; uncurling racemes set with white-centered stars of imperial violet. Height, 40 in. Sown early it will flower first year. ¼ oz., 70c	.35	2.40
Angustifolia. Navy-blue, 36 in.	.25	....
Barrelieri. Earliest, dwarf, dark blue, 2½ ft.	.25	....
Italica, Dropmore Variety. Large, gentian-blue, excellent perennial for cutting, 6 ft. lb., $4.00	.15	.40
Dwarf Dropmore Variety (Feltham Pride). Neat habit, flowers brighter blue than preceding. 3 ft. ¼ oz., 85c	.25	3.00
Lissadell. Clear gentian-blue. 6 ft.	.15	.60
Morning Glory. Clear blue, a little lighter than Lissadell but quite similar. Height about 5 ft., coming very true. Buds appear a rosy mauve but turn to clear blue as they open. ¼ oz., 50c	.25	1.80

Rock Plants are followed by × and the heights given are of the plants when in bloom.

Unless otherwise quoted we supply ½ oz. at the ounce price and 4 oz. (of a variety) at the pound price.

Seeds of Biennials and Hardy Perennials

ARABIS Alpina.
Tr. pkt., 10c; oz., 40c.

See Back Cover Page for Illustration in Color of Aquilegia Special Mixture Long Spurred Varieties.

BELLIS Perennis Fl. Pl. Superbissima Giant
Tr. pkt., 50c; 1/16 oz., $1.00.

ARMERIA Ruby.
Tr. pkt., 50c; 1/8 oz., $1.00.

ANCHUSA—Continued.	Trade pkt.	Oz.
Myosotidiflora. × A charming plant with the exquisite blue flowers of the forget-me-not, carried on 2 ft. high stiff stems. Large heart shaped basal leaves, for rock garden or border. Flowers in April and May	$0.50	....
Anemone (Windflower), Coronaria. Blue. 18 in. 1/4 oz., 45c	.25	$1.40
His Excellency. × Single, scarlet, 1 ft. 1/4 oz., 45c	.25	1 40
The Governor. × Double bright scarlet. 1/4 oz., 55c	.25	1.80
St. Brigid's Hybrids (Irish Champions). Irish-grown St. Brigids are largely favored by commercial growers on account of the lasting quality of the bloom, length of stem, and the brilliancy of colors. 18 in. 1/4 oz., 85c	.35	2.80
Pulsatilla. × The Pasque Flower. A singularly beautiful species with violet flowers, whole plant covered with silky hairs, needs a dry situation. Blooms in April to June. 12 in. 1/4 oz., 65c	.25	2.20
Rubra. × Handsome red purple flowers. 1/4 oz., $1.00	.35	....
Sylvestris. × The "Snowdrop Anemone." A rather tall growing anemone with pure white nodding flowers in April to June, 12 in. 1/4 oz., 75c	.35	....
Anthemis Kelwayii (Hardy Marguerite). Daisy-like lemon-yellow blossoms, produced all summer, 3 ft.	.15	.50
Kelwayii Alba. Hardy white Marguerite, 3 ft.	.15	.60
Montana. × Charming species producing pure white flowers in abundance, 12 in. 1/4 oz., 40c	.25	....
Tinctoria. Very useful yellow border plant, 2 to 3 ft.	.15	.60
Perry's Variety. Light yellow, varies 2 ft. 1/4 oz., 40c	.25	1.40
Sancta Johannis. Brilliant orange colored flowers about 1 1/2 in. in diameter, borne singly at the termination of straight stiff leafless stems, 9 to 12 in. in length. Borne in great freedom, definite value for cutting 1/4 oz., 80c	.25	2.80
Antirrhinum Asarina. × Makes a close vertical mat of its fleshy angular stems and scalloped and ivy shaped green leaves. The large snapdragon flowers are a pale ivory yellow with a few streaks of red on lip. Appear in spring and continue all summer, 6 in. 1/8 oz., 75c	.25	....
AQUILEGIA × (Columbine)		
Alpina. Blue. A beautiful short spurred form, 24 in. 1/4 oz., 50c	.25	1.80
Buergeriana. Delicate yellow flowers tinted with purple. 1 ft.	.35	....
California Hybrid. A light yellow, red spur. 3 ft. 1/4 oz., 50c	.25	1.80
Canadensis. Old rose with yellow, 30 in. 1/4 oz., 50c	.25	1.80
Chrysantha. Light chrome-yellow, fine, 36 in. 1/4 oz., 45c	.25	1.60
Chrysantha Silver Queen. Long-spurred silvery white, 2 ft. 1/4 oz., 50c	.25	1.80
Clematiflora. Mixed, light shades, spurless	.75	....
Coerulea Blue. Sky-blue with white corolla. × Rocky Mt. Columbine 1/4 oz., 50c	.25	1.80

AQUILEGIA × (Columbine)—Continued.	Trade pkt.	Oz.
Mrs. Nicholls. Deep blue and bolder flower than Coerulea 1/16 oz., 90c	$0.50	....
Rose Queen. Shades of rose with white corolla, 30 in. 1/4 oz., 50c	.25	$1.80
Dobbie's Imperial Hybrids. A very fine selection made by a European hybridizer 1/4 oz., 65c	.25	2.20
Flabellata Nana Alba. Pure white early flowering 12 inch. 1/8 oz., $1.50	.35	....
Glandulosa Vera. Enormous, spurless flowers of the loveliest and purest sapphire with white corolla, 12 to 18 in.	.75	....
Longissima. Long spurred delicate yellow. 1/16 oz., $3.00	1.00	....
Longissima Hybrids. Very long spurred variety in many attractive shades	.50	....
Long-Spurred Blue Shades 1/4 oz., 85c	.35	2.80
Blue shades. Special selection 1/8 oz., $1.00	50	....
Copper Queen. Copper-red, straw-colored corolla, 18 in. 1/4 oz., 85c	.35	2.80
Crimson Star. Long spurs of rich crimson, the center is white tinged carmine, flowers 3 in. across on 2 ft. stems 1/4 oz., $2.00; 1/8 oz., $1.20	.50	....
Orange and Scarlet Shades 1/4 oz., 90c	.35	3.00
Mrs. Scott Elliott's Strain. The blooms are of large size and the spurs very long. The colors range through shades of lavender, mauve, blue, purple, white, cream, yellow, pink, red, etc. 1/4 oz., 85c	.35	2.80
Special Mixture of Long Spurred Varieties. A mixture of superior American and English strains. See illustration in color on outside back cover page. 1/4 oz., 90c	.35	3.00
Red Riding Hood. Umbrella-like old rose calyx, above a pure white double corolla	.50	....
Rainbow Mixture of Colorado varieties. Many charming colors of our native Columbine 1/4 oz., 85c	.35	3.00
Skinneri. Scarlet spurs with yellowish green corolla. 1/4 oz., 65c	.25	2.20
Talisman (Jaetschaui). Large yellow with red spurs.	.25	2.00
Vulgaris Compacta Edelweiss. The plants are 16 to 20 inches high, and covered with large, erect, snow-white blossoms in early spring 1/4 oz., 65c	.25	....
Double White. Attractive old fashioned variety. 30 in. 1/4 oz., 65c	.25	....
Double Old Rose. 36 in. 1/4 oz., 70c	.25	....
Vaughan's Special Mixture. All types 1/4 oz., 90c	.35	3.00
Arabis × Alpina. White, 1 ft. lb., $4.80	.10	.40
Alpina Grandiflora Superba. Large white, 1 ft.	.20	1.00
Nana Compacta. White 8 in. 1/4 oz., 60c	.25	....
Rosea. Pink. 1 ft. 1/4 oz., $1.00	.35	....
Snow Cap. Extremely dwarf and compact habit, really shining snow-white cushions of flowers. 1/4 oz., 55c	.25	....
Spring Charm. Intense carmine flowers, bushy plant. 8 in.	.50	....

Seeds of Biennials and Hardy Perennials

	Tr. pkt.	Oz.
Arenaria Montana. × Makes broad masses of slender foliage 3 to 4 in. deep, which are smothered with large white flowers in late spring, needs sun and well drained soil, 12 in. ⅛ oz., $1.00	$0.50	....
Aristolochia Sipho (Dutchman's Pipe). Large-leaved..	.25	$1.20
Tomentosa. Small leaf	.15	.80
Armeria × Alpina. Deep rose, 12 in. ⅛ oz., $1.00	.50	....
Formosa. Red, 2 ft. ¼ oz., 60c	.25	2.20
Formosa Hybrida. 2 ft. ¼ oz., 40c	.25	1.40
Glory of Holland. Giant pink. A new and improved form of Armeria of true strain. The clear, deep, pink flowers of the size of a silver dollar are borne on straight, tall stems of 24 inches high, in large profusion throughout the summer. Really and truly a good thing. Extra fine for cutting. ⅛ oz., $1.00	.50	7.00
Laucheana. Rosy crimson, 9 in.	.35	....
Maritima. Lilac-rose, 12 in.	.35	....
Ruby. Deep rose-colored flowers, 24 in. ⅛ oz., $1.00	.50	6.40
Arnica Montana (Mountain Tobacco or Snuff). × Yellow, fragrant, 20 in. ¼ oz., 50c	.25	....
Asclepias Tuberosa (Butterfly Weed). Orange, fine cut flower and garden plant, 24 in. ¼ oz., 70c	.35	2.40
Asparagus Spitzenschleier (Lace Veil). Far finer in foliage density. Better than Verticillatus and just as hardy. 100 seeds, $1.00; 250 seeds, $2.20; 1,000 seeds, $8.00	...	....
Asperula Hexaphylla. White, excellent for cutting, 3ft.	.15	....
Odorata (Woodruff). Very fragrant, white, 12 in.	.15	....
Asphodelus Luteus. Yellow, fragrant, 3 ft. ¼ oz., 50c	.25	....
Aster Perennial. Large-Flowering Varieties, mixed. ¼ oz., 65c	.35	2.20
Alpinus. Light blue. 1 ft. ¼ oz., 65c	.35	2.20
Albus. Pure white. 1 ft. ¼ oz., 90c	.35	3.20
Dark Beauty. Deep blue, 1 ft.	...	....
Goliath. × Soft blue, largest flowered, fine, 15 in. ¼ oz., 80c	.35	2.80
Ruber. Rosy lavender (varies)	...	....
Mixed, 15 in. ¼ oz., 65c	.35	....
Amellus Hybridus. New named varieties, finest mixed, 30 in. ¼ oz., 75c	.35	....
Beauty of Ronsdorf. Large lilac-rose flowers in great profusion; plants two feet high, branching freely; blooms in August-Sept.; 30 in. ¼ oz., 90c	.50	....
Roseus. Very like the Beauty of Ronsdorf, except in color, which is a clear rose. 30 in. ¼ oz., $1.20	.50	....
Farreri. × Color is a soft tone of violet-mauve, with large golden orange disc, and flowers are from 2 to 3 inches across. June and July; creeping	.40	....
Hybridus Luteus. Giant sprays of primrose yellow.	.50	....
Rotundifolius. × Bright yellow discs are surrounded with ray florets of a fine forget-me-not blue, 6 in. ¼ oz., 80c	.35	....
Wartburg Star (Star of Eisenach). May. A new giant-flowered variety of the subcoeruleus type. Bright lavender-blue Marguerites with yellow centers measuring more than four inches across.		....
Yunnanensis. Brilliant lilac-blue, flowers in early summer, 15 in.	.50	....

AUBRIETIA

Semi-double Hybrids. Produces 75% large semi-double flowers in all known colors of this family and many new art shades. Trade pkt., 75c.

New Giant Flowered. All full petalled types equal to the best named varieties. Vastly superior in size and color range to any other strain raised from seed. Highly recommended. Trade pkt., 50c.

	Tr. pkt.	Oz.
Aubrietia × Large-Flowered Hybrids. Lovely dwarf spring blooming plants. Form beautiful cushions of foliage and flowers. 6 in. ¼ oz., 50c	$0.25	$1.60
Bougainvillei. × Dark blue, 6 in. ¼ oz., 75c	.35	....
Deltoidea. × Lilac, 6 in. ¼ oz., 60c	.25	2.00
Eyrii. × Free flowering large blue ¼ oz., 70c	.25	....
Graeca. Large blue free flowering, 6 in. ¼ oz., 60c	.25	2.00
Leichtlini. × Large-flowered, rosy purple. ⅛ oz., 40c	.25	....
Rosea Grandiflora. × Pink, 6 in. ⅛ oz., 40c	.25	2.80
Whitewell Gem. × Glowing rosy purple with slight tinge of blue, 6 in. ⅛ oz., 60c	.25	....
Auricula. See Primula.		
Baby's Breath. See Gypsophila Paniculata.	Tr. pkt.	Oz.
Baptisia Australis (False Indigo). Beautiful racemes of pea-shaped indigo-blue flowers.. 2-4 ft., lb., $4.00	$0.10	$0.40
Bellis Perennis × or English Daisy, 6 in...		
Longfellow. Double dark rose. ¼ oz., 40c	.25	1.40
Long Stemmed Excelsa Rose. The lovely rose color of its large flowers, with their strong eight-inch-long stems, makes this dainty English Daisy fine cut flower, nice for corsages, baby crib, and table decoration. ⅛ oz., $1.50	.50	....
Snowball. Double white. ¼ oz., 40c	.25	1.40
White with red center. ⅛ oz., 60c	.25	....
Monstrosa, double pink. ¼ oz., 70c	.25	2.40
Double Crimson. New. ¼ oz., $1.80	.50	....
Double Red (dark rose) ¼ oz., 85c	.35	2.80
Double White. ¼ oz, 65c	.25	2.20
Double mixed. ¼ oz., 50c	.25	1.80
Tubulosa Aetna. Rich deep red. ¼ oz., 85c	.35	3.00
Bernina, white passing to pink. ⅛ oz., 80c	.35	....
Glory of Frankfurt, brilliant dark red.	.50	....
Monterosa, rose. ⅛ oz., 90c	.35	....
Titlis, carmine. ⅛ oz., 90c	.35	....
Mixed ⅛ oz, 90c	.35	....
Super Giant White—The largest flowered white. 1/16 oz., $1.00	.50	....
Super Giant Rose 1/16 oz., $1.00	.50	
Tubulosa Atrosanguinea. Double quilled dark red..	.50	....
Vaughan's Special Mixture. ⅛ oz., 90c; ¼ oz., $1.50	.50	
Betonica Grandiflora. Red-purple flower-heads, 1 ft. Good border plant. ¼ oz., 60c	.25	....
Bignonia Radicans (Trumpet Vine). Dark red, orange throat	.15	.50
Bocconia Japonica (Plume Poppy). The plants grow 6 to 7 ft. high and the large finely cut leaves are topped by huge flower spikes, carrying creamy white blossoms	.10	.40
Boltonia Asteroides. White daisy flowers, 4-6 ft. ¼ oz., 70c	.25	2.40
Latisquama. Delicate pink, 4-5 ft. ¼ oz., 60c	.25	2.00
Buphthalmum Salicifolium. Yellow, 18 in. ¼ oz., 40c	.25	1.40
Speciosum (Cordifolium). Yellow	.25	....
Calamintha Alpina. × Purple, 6 in.	.50	....
Callirhoe Involucrata. × Large crimson flowers, trailing habit, very showy, 6 in. ¼ oz., 70c	.25	2.60

CAMPANULA PERENNIAL SORTS

Alliariaefolia. From a dense tuft of leaves at the ground the stems rise to 2 to 3 ft. high, bear many creamy white flowers. 2½ ft. ¼ oz., 60c	.25	....
Carpatica × (Hare Bell). Forms a quickly widening tuft of neat foliage above which are borne on slender, branched erect stems 12 in. high, wide cup-shaped upright blooms of a glistening light violet blue, 9 in. ¼ oz., 25c	.15	.80
Alba. × White, 9 in. ¼ oz., 25c	.15	.80
Mixed. × ¼ oz., 25c	.10	.80
Collina. Upright, compact, bushy habit. In May and June are thickly covered with intense campanula blue pendent flowers. Excellent for rockery and alpine gardens.	.50	....
Fragilis. Blue Star of Bethlehem. Blue, splendid for hanging baskets	.50	....
Garganica. × A compact and tufty plant with pendant flowering branches. The flowers are blue shading off to paler blue in summer. 4 in.	.75	....
Glomerata Superba (Clustered Bellflower). Beautiful dark violet flowers borne in clusters at the top and all the way up the stalks. June-July. 20 in.	.35	
Lactiflora Coerulea. Light blue, 3 ft. ¼ oz., 50c	.25	1.80
Latifolia Macrantha. Blue, large-fld., 40 in. ¼ oz., 50c	.25	1.60
Macrantha Alba. White, 40 in.	.35	....

CAMPANULA PERSICIFOLIA

Wedgewood. A fine development of Campanula Persicifolia with larger flowers of deep violet blue. A choice perennial that will do good in full sun or partial shade. If sprays of buds are cut and put in water, they open to charming flowers which are useful for decorative purposes. Trade pkt. 75c.

	Trade pkt.	Oz.
Persicifolia (Peach Bell) Alba. White, fine, 30 in. ¼ oz., 50c	$0.25	$1.80
Grandiflora Fl. Pl. Moerheimi. Flowers large, semi-double, cup-shaped, pure white. 2 ft.	.50	....

Rock Plants are followed by × and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

CAMPANULA (Perennial)—Persicifolia—Continued.

		Trade pkt.	Oz.
Coerulea. Blue, 30 in.	¼ oz., 50c	$0.25	$1.80
Coerulea Plena. Double blue, 30 in.	¼ oz., 65c	.25	2.20
The double varieties of Campanula Persicifolia come about 50% true from seed.			
Telham Beauty. Very large bells of China blue, varies, 30 in.	⅛ oz., $1.00	.50	....
Single mixed	¼ oz., 50c	.25	1.80
Pusilla. × Thimble shaped flowers of rich blue, carried on stems 4 in. high, which rise from a tuft of small, soft green leaves, July, 4 in.		.50	....
Pyramidalis Alba. White, 5 ft.	¼ oz., 50c	.25	1.60
Blue. Lavender-blue, 5 ft.	¼ oz., 45c	.25	1.40
Mixed	¼ oz., 45c	.25	1.40
Raineri. Charming Alpine plant, erect blue flowers, 3 in.		...	....
Rotundifolia (Scotch Blue Bell). × Slender branching stems, covered with dainty frail blue flowers. Blooms in July and again in fall, 6-12 in.	¼ oz., $1.20	.35	4.00
Olympica. × Light blue. 10 to 12 in.	1/16 oz., 1.00	.50	
Trachelium (Coventry Bells). Crowded heads of lavender-blue flowers, 2-3 ft., varies		.15	1.00
Turbinata. × Forms close mats of foliage and bears large cup-shaped flowers of blue, sitting close to the plant and fairly smothering it.	¼ oz., 60c	.25	....
Alba. × White, 18 in.		.50	....
Perennial Varieties. Mixed	¼ oz., 50c	.25	1.60
Rock Garden Varieties. Mixed	¼ oz., 75c	.25	....

CAMPANULA BIENNIAL SORTS

Medium Calycanthema, Cup and Saucer. Blue, Lilac, White, Pink, 36 in., each	¼ oz., 40c	.15	1.40
Calycanthema Mixed	¼ oz., 40c	.15	1.20
Dwarf Canterbury Bells. Mixed. A neat dwarf compact type with glorious giant flowers of various colors. It is very floriferous and is ideal for spring bedding. 20 in.	¼ oz., 60c	.25	2.00
Single. Canterbury Bell. Blue, Lilac, Rose, White, 36 in., each		.10	.40
Single Mixed		.10	.30
Double, Blue, Rose, White, Double Mixed. 32 in. Each of the above	¼ oz., 25c	.15	.80
Double and single mixed		.15	.60
Candytuft × Gibraltarica. 1 ft. Large flowers, lilac shaded to white	¼ oz., 25c	.15	.80
Jucunda (Lebanon Candytuft). Dwarf pretty pink, 4 in.	⅛ oz., $1.50	.35	....
Queen of Italy. Dwarf evergreen foliage, rosy lilac, 10 in.		.15	.60
Sempervirens, 12 in. White	¼ oz., 50c	.25	1.40
Tenoreana, 16 in. Lilac and white	¼ oz., 25c	.15	.80
Canterbury Bells. See Campanula Medium.			
Carnation, Vienna Dwarf. Mixed	¼ oz., 50c	.25	1.80
Vienna Dwarf. White	¼ oz., 75c	.25	....
Pink	¼ oz., 75c	.25	....
Grenadin Red. Half high. 20 in.	¼ oz., 60c	.25	2.00
Red. Dwarf. 14 in.	¼ oz., 85c	.35	2.80
Golden Sun. Golden yellow	¼ oz., $1.00	.35	3.20
White, 20 in.	¼ oz., 60c	.25	2.00
Tausendschon. Soft salmon-rose to bright pink.	¼ oz., 85c	.35	2.80
Triumph Rose, 20 in.	¼ oz., 75c	.35	2.60
King of the Blacks. Darkest red, very fine. 20 in.	¼ oz., 60c	.25	2.00
Mixed	¼ oz., 50c	.25	1.60

CARYOPTERIS Mastacanthus Superbus Mixed. An interesting shrubby plant 2 ft. tall. Easily raised from seed. Blooms freely during September and October, silvery green foliage. Blue, pink and white mixed. The blue is sometimes called "Blue Spiraea." Trade pkt., 35c; ¼ oz., 60c.

		Tr. pkt.	Oz.
Cassia Marylandica (Indian Senna). Racemes of showy yellow flowers, 30 in.	¼ oz., 40c	$0.25	$1.40
Catananche Coerulea. Blue with dark eye, fine, everlasting 30 in.	¼ oz., 40c	.25	1.30
Coerulea Alba, White, dark eye, 30 in.	¼ oz., 40c	.25	...
Centaurea Dealbata. Rose flowers. Graceful silvery leaves, 18 in.	¼ oz., 40c	.25	1.40
Macrocephala. Radiant yellow thistle-like blooms often 4 in. across, 36 in.	¼ oz., 40c	.20	1.20
Montana. Cornflower blue, 24 in.	¼ oz., 35c	.25	1.00
Alba. White, superb large flowers, 24 in.	¼ oz., 35c	.25	1.00

SHASTA DAISY—Diener's Double Giant

CENTAUREA—Continued.

		Trade pkt.	Oz.
Ruthenica. Light yellow, 4 ft.	¼ oz., 80c	$0.25	$2.80
Perennial sorts mixed	¼ oz., 45c	.25	2.00
Cephalaria Alpina. Sulphur-yellow, 5 ft.	¼ oz., 75c	.25	....
Cerastium × Tomentosum (Snowin Summer). Silvery white foliage, white flowers, 16 in.	¼ oz., 40c	.25	1.40
Cheiranthus Allionii. Brilliant orange, 16 in., lb., $3.00		.10	.30
Golden Bedder. A deep golden yellow. The individual flowers are larger than the Allioni. It is sweetly scented, long flowering (especially if the seed pods are not allowed to form).	¼ oz., 25c	.15	.80
Kewensis, Winter-blooming Wallflower. Fragrant flowers, sulphur passing to gold and violet, 30 in.	¼ oz., 50c	.25	....
Linifolius. Lilac, 18 in.	¼ oz., 40c	.15	1.30
Chelone Barbata Coccinea. Scarlet with yellow, 4 ft.		.15	.60
Barbata Praecox. (Early Flg.) Pink to cherry-red, in pretty spikes; a desirable cut flower...3 to 4 ft.		.15	.60
Torreyi. Brick-red, 4 ft.	¼ oz., 30c	.15	1.00
Hybrida. Mixed, 4 ft.		.15	.60
Nana. Dwarf Mixed, 16 in.	¼ oz., 50c	.25	....
Clove Pink. See Dianthus Plumarius.			

CHRYSANTHEMUM

Leucanthemum (Spring Marguerite). Early flowering, white. 36 in., "Mother's Day."		.15	.60
Maximum Avalanche. Forms compact bushes 2 ft. high. Producing large white Marguerites, practically covering the plant	¼ oz., 25c	.15	.80
Dwarf Bouquet. Blooms from seed the first year. Forms a bouquet of pure white flowers in a dainty and elegant manner. The blooms have very small centers. Plants are 12-15 inches tall. The stems come from the base and do not branch	¼ oz., 85c	.35	2.80
King Edward VII. White	¼ oz., 25c	.15	.80
Laciniatum, Comet Marguerite white, 3 ft.	¼ oz., 50c	.20	....
Mrs. C. Lothian Bell. Single white, 3 ft.	¼ oz., 40c	.25	1.40
Elder Daisy. Early blooming, smaller flowering than Alaska, but more flowers.	¼ oz., 25c	.15	.80
Conqueror (Victor). Giant flowered white.	¼ oz., 25c	.15	.80
Korean Hybrids. Seed saved from a large acreage of experimental crosses representing a wonderful range of magnificent colors. Large flowering single and semi-double	⅛ oz., $2.00	1.00	....
Mawii. Rich pink flowers two inches across, silvery foliage, 1 ft.	¼ oz., $1.20	.35	....
Cimicifuga Simplex. Shade loving perennial. Feathery racemes of pure white, slender drooping spikes.	¼ oz., 50c	.20	1.80

Seeds of Biennials and Hardy Perennials

	Trade pkt.	Oz.
Clematis Paniculata. Panicles of misty white, fragrant flowers in late summer.....lb., $3.40	$0.10	$0.30
Recta Grandiflora. Dark leaved. This is an improved strain, possessing a compact habit and not sprawly as is the usual character. The foliage is a rich dark glossy green, which is much more effective than the light green of the type. We recommend this strain as an outstanding selection.....¼ oz., 65c	.35	2.00
Columbine. See Aquilegia.		
Coreopsis Lanceolata Grandiflora. Very large golden yellow flowers, long stemmed, excellent for cutting, ...lb., $2.40	.10	.30
Lanceolata Auriculata Superba Diadem. Dark yellow with band of brownish red around disc. 3 ft.	.15	.60
Double Sunburst (Double New Gold). Large double flowers 1½ to 2 in. across.....¼ oz., 25c	.15	.80
Mayfield Giant. Best large deep golden yellow...	.15	.60
Corydalis × Cheilanthifolia. Fern-like foliage, golden yellow flower spikes. April-Oct. 20 in.....	.50	....
Crucianella × Stylosa. A pretty rock and border plant, makes low delicate masses 6 in. or so in height with pretty pink flowers.....	.10	.60

Delphinium

PACIFIC GIANT
(Vetterle and Reinelt)

This strain produces plants that are 60 to 65 percent mildew-resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter** and represent a truly outstanding addition to the cut flower market.

FLORET OF DELPHINIUM PACIFIC HYBRID (½ NATURAL SIZE)

Pacific Giant Dark Blue Shades.

Pacific Giant Pastel Shades.

Pacific Giant Light Blue Shades.

Pacific Giant Mixed. This mixture of blue shades and white.

Each of above. Trade pkt., $1.00; ⅛ oz., $2.00; ¼ oz., $3.50; oz., $12.00.

Pacific Double White. Flowers well spaced and of good texture with white bees, with a branching habit of growth. Cheese cloth protection when blooming will keep the whiteness of flowers unmarred by dust or insects. Trade pkt., $1.25; ⅛ oz., $2.50; ¼ oz., $4.00; oz., $14.00.

Blue Jay. Medium to dark blue with dark bee. Trade pkt., $1.25; ⅛ oz., $3.00.

Cameliard Series—This is a pure lavender self, with white bee, possessing classical perfection of form of the individual flowers, which are very round and flat. Beautifully balanced spikes combine with excellent growing habits. Trade pkt., $2.00; ⅛ oz., $4.00; ¼ oz., $7.00; oz., $24.00.

Galahad Series. Clear white of enormous size, averaging three inches in diameter of individual flowers with very heavy glistening texture, pyramidal spikes with well spaced flowers, good branching habit, strong whippy stems with a high percentage of mildew resistance. Trade pkt., $2.00; ⅛ oz., $4.00; ¼ oz., $7.00; ½ oz., $13.00; oz., $24.00.

Guinevere. Light pink lavender self with white bee. Individual floret 2½ to 3 inches in diameter, large spikes. Excellent branching habits. For cut flowers and show purposes. Mildew resistance 50 to 70 percent. Trade pkt., $1.25; ⅛ oz., $2.50; ¼ oz., $4.00; oz., $14.00.

DELPHINIUM Pacific Giant—Continued.

King Arthur. Brilliant royal violet with large white bee. Individual florets 2½ inches in diameter, very thin woody stems with small foliage. Very long graceful spikes. Excellent for both cut flower and show purposes. Mildew resistance from 80 to 90 percent. Trade pkt., $1.25; ⅛ oz., $2.50.

Lancelot Series. A new color in Delphinium of pure lilac self tone with white bee. Individual flowers 2 to 2½ inches in diameter. The growth has all the desirable characteristics making it an ideal cut and show flower. Trade pkt., $2.00.

Summer Skies. Clearest light blue with white bee. Individual florets 2 to 2½ inches in diameter. Thin woody stems with very strong branching habits. Ideal for cut flower purposes. Mildew resistance 40 to 60 percent. Trade pkt., $1.25; ⅛ oz., $2.50; ¼ oz., $4.00.

	Tr. pkt.	Oz.
Blackmore and Langdon Strain, Mixed. Tall, graceful spikes covered with blooms. All the clear shades of blue with many delightful opaline variations, with bees of contrasting colors. ¼ oz., 85c; lb., $32.	$0.50	$2.80
Wrexham Strain (Hollyhock Delphinium). The chief distinguishing features of the "Hollyhock" Delphiniums are the extraordinary length and the tapering and spire-like shape of the spikes; the indescribably rich and varied tints; the very remarkable extension of the flowering period. .....lb., $60.00; ¼ lb., $16.00; ¼ oz., $1.35	.50	4.80
Wrexham Strain. Art shades.....¼ oz., $1.65	.75	6.00
Deep Blue Shades.....¼ oz., 1.65	.75	6.00
Light Blue Shades.....¼ oz., 1.65	.75	6.00
Mid-Blue Shades.....¼ oz., 1.65	.75	6.00
Double Selecta. Extra double new hybrids, mixed, producing 90% extra double flowers of large size and excellent color variation.....¼ oz., $1.65	.50	6 00
Gold Medal Hybrids. Extra choice strain. Lb., $14.00	.25	1.40
Vaughan's Special Mixture. Perennial varieties. ....¼ oz., $1.35	.50	5.00
Belladonna. Blue Grotto. Deep blue, bee royal purple with cream center.....¼ oz., 70c	.35	2.40
Light Blue, Improved. Light blue, large flowered, strong grower, 4 to 5 ft.....lb., $24.00	.35	2.00
Lamartine. The flowers are a rich, deep blue with a pure white eye. It makes a sturdy, vigorous, healthy plant five feet tall which blooms from June until frost.....¼ oz., $1.20	.50	4.00
Bellamosum Improved. Large deep blue flowers, uniform in color with a white bee. 4 to 5 ft..... .....lb., $26.00; ¼ oz., 65c	.35	2.20
Cardinale. Fine scarlet flowers, yellow center, 30 in. .....¼ oz., 65c	.35	2.20
Chinense Album Grandiflorum. White, 36 in.....	.20	.80
Coeruleum Special Market Strain. Gentian-blue, fine for cutting.....¼ oz., 50c	.25	....
Cambridge Blue. Rich belladonna blue...¼ oz., 60c	.35	2.20
Dark Blue. 36 in.....lb., $7.00	.20	.80
Azure Fairy. Soft azure-blue, 20 in.....	.20	1.00
Tom Thumb Ultramarine. A dwarf species, with fine feathery foliage with beautiful flowers in open panicles in ultramarine-blue, 1 ft.....	.20	1.00
Elatum Hybridum Indigo, True Blue. 5 ft. ¼ oz., 80c	.35	2.80
Nudicaule. × Brilliant scarlet with peach-red interior, 30 in.....¼ oz., 70c	.35	2.60
Zalil or Sulphureum. Yellow, orchid-like flowers, 6 ft.		

Suggestions For Sowing Seeds During the Summer Months

During the hot months of July and August fine seeds such as Calceolaria, Cineraria, Snapdragon, and finer perennial seeds, etc. should be sown in flats (as usual) and the flats placed in a cool basement until the seedlings sprout, when taken to greenhouse and some cheese cloth placed over them until the seedlings are of sufficient strength to have it removed.

	Tr. pkt.	Oz.
Cyclamen × Europaeum. Bears rosy crimson sweet scented flowers from July to Nov., the leaves appearing before and with the flowers. The foliage is marbled with silver remaining all winter, drying off in spring.....100 seeds, 45c; 1000 seeds $3.50	...	....
Cynoglossum Nervosum. A grand new perennial, large blue flowers.....⅛ oz., 90c	$0.35	....
Daisy. See Bellis, Agathea, Chrysanthemum Maximum and Pyrethrum.		

Rock Plants are followed by ×, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

	Trade pkt.	Oz.
Daisy, **Shasta**, Alaska. Best white, American-grown, 40 in.. ....¼ oz., 30c	$0.15	$1.00
Diener's Giant Double Shasta. Flowers five inches across resemble giant asters, on long wiry stems. Blooms over a period of several months. ⅛ oz., $1.80	.50	10.00
Diener's New Giant Double Ever-Flowering Shasta Daisy G. Marconi. The largest Shasta Daisy today, the flowers are around seven inches in diameter and stems 2½ to 3 feet long. Originator's seed.	.50	....
Diener's Fancy Chiffon Shasta Daisy Glendale. The flowers are 2 inches across, have fringed and laciniated petals, interlaced, which are borne on strong stems. Seed from originator	.50	....
Westralia. Very large and early. White. 40 in. ¼ oz., 35c	.15	1.00
White Lady. Earlier than Giant Double but not as large, produces quite a number of flowers the first year if sown early. The percentage of doubles is about 50%	.50	....

DIANTHUS BARBATUS—Sweet William

Double Blood-red (Atrosanguineus pl.) 20 in.	.15	.80
Roseus. Double Pink....¼ oz., 50c	.25	1.60
Nigrescens. Almost black....¼ oz., 40c	.20	1.20
Salmon-Rose....¼ oz., 85c	.35	3.00
White ....¼ oz., 45c	.25	1 40
Mammoth Flowered. Mixed....¼ oz., 60c	.35	2.00
Dwarf Midget Mixed....¼ oz., 50c	.25	1.80
Seedlings of all Double Sweet Williams produce about 40 per cent of single-blooming plants.		
Single Blood-red (Atrosanguineus)	.15	.60
Copper-Red	.15	.60
Diadematus. Crimson with white eye	.15	.50
Garnet Red with a white eye	.15	.80
Giant Auricula Eyed. White ground...¼ oz., 40c	.20	1.20
Giant White. A very large variety....¼ oz., 40c	.20	1.20
Homeland. A most unusual color, dark red with large, sharply defined clear white center. New..	.75	....
Nigrescens. Very dark, almost black	.15	.50
Newport Pink (Pink Beauty). Salmon-pink....lb., $6.00	.15	.60
Purple Beauty. Bright deep purple....¼ oz., 50c	.15	....
Scarlet Beauty. Scarlet....¼ oz., 25c	.15	.80
Turkey-Red....¼ oz., 25c	.15	.80
Dwarf Midget Mixed....¼ oz., 90c	.35	3.00
Superb Mixture of New Colors....¼ oz., 40c	.15	1.20
Mammoth Flowered. Single mixed....lb., $5.00	.15	.50
Vaughan's Special Mixture. Double and single of above choice varieties....¼ oz., 60c	.35	2.00

DIANTHUS PLUMARIUS—Clove Pinks ×

Albus Plenus. Double white....¼ oz., 90c	.35	3.20
Cyclops. Red Hybrids....¼ oz., 35c	.20	1.00
Highland Rose Queen. A free growing variety, bright crimson single flowers	.50	....
Highland Rose Hybrids Mixed....¼ oz., 90c	.35	3.20
Little Jock Hybrids. The compact plants produce a multitude of pretty fringed flowers, about an inch across, in varied tints of pink, rose and white, mostly with a deep zone, and quite 50% of them are double....⅛ oz., $1.20	.50	....
Scoticus fl. pl. Double-Scotch. Mixed. An extra choice strain	.75	....
Spring Beauty. Double giant-flowered carnation-like in form and size and with a beautiful color range. Very fragrant....¼ oz., 85c	.35	3.00
Double. Fine mixed....¼ oz., 40c	.20	1.40
Double Early-Flowering. Dwarf Mixed 10 in....¼ oz., 50c	.25	1.60
Semperflorens. Double and Semi-Double Mixed....¼ oz., 30c	.15	1.00
Vaughan's Special Mixture....¼ oz., 70c	.35	2.40

DIANTHUS—SORTS

Allwoodii. × 18 in. Mixed colors. Hybrid between Carnation and Pink, very floriferous. ⅛ oz., $1.00	.35	....
Alpinus. Mixed colors. × Glossy leaves, large flowers various shades of pink and rose on 4 in. stems. ....¼ oz., $1.00	.35	....
Arenarius. Sand Pink. Small white fringed. 8 in....¼ oz., 70c	.25	2.40
Barbatus × Chinensis, Mixed (Annual Sweet William). Blooms from seed the first year	.15	.60

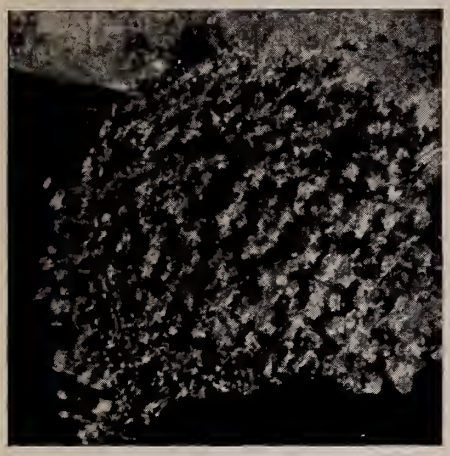
SWEET WILLIAM Single "Midget" MIXED COLORS

The habit of this Sweet William Dwarf Alpine Mixed is of a ball type, grows from three to four inches tall. The blooms, which almost entirely cover the foliage, are quite large flowered. This little Sweet William should make a wonderful perennial border and pot plant. The color range is from white, chamois, salmon, scarlet, brick red to maroon, with most of the blooms being tri-colored.

Trade pkt., 35c; ¼ oz., 90c; oz., $3.00.

DIANTHUS —Continued.	Tr. pkt.	Oz.
Caesius (Cheddar Pink). × Dense tufts of glaucous blue foliage and large rose-colored flowers..¼ oz., 40c	$0.15	$1.20
Delight. There is a bewildering range of colors, from the palest pink down to the deepest purple; the predominating shades are velvety rich reds; many have the eye of a Sweet William....¼ oz., 60c	.25	....
Deltoides Brilliant (Maiden Pink). × Very bright red variety....¼ oz., 50c	.25	1.80
Major Stern's Variety. Bright crimson, dark foliage. ....¼ oz., 70c	.25	2.40
Graniticus. × Carmine. 9 in....¼ oz., 60c	.25	2 00
Knappi. Clusters of clear golden yellow flowers appear above the grassy green foliage....⅛ oz., $1.50	.50	....
Latifolius Atrococcineus pl. A beautiful outdoor Pink, of deep crimson color, semi to full double flowers, borne on stout stem, 15 to 18 in. high.... ....¼ oz., 25c	.15	.80
Loveliness. The flowers have large laciniated petals of a most exquisite mauve pink, but the most fascinating of all is their delightful fragrance....1/16 oz., $1.20	.50	....
Neglectus × (Glacier Pink). Is about 3 in. high with close tufts of foliage and many very fine salmon pink flowers....1000 seeds, $2.40; 100 seeds, 30c	...	....
Rose Cushion. From a little cushion of grey-green foliage that is evergreen in character, hundreds of straight stems arise and in late May the flowers appear as if by magic. The color is pure pink, flowers about ¾ in. across, plants about 3 to 4 in. tall....1/16 oz., $1.20	.50	....
New Blue. The color is a bright lavender-blue, foliage deep green, and the flowers are in trusses about 9 inches high. Flowers in July, August, September. ....250 seeds, $1.00 net.	....	....
Sweet Wivelsfield Single mixed. Especially adapted for perennial borders and rock gardens. Excellent cut flower. 1 ft....¼ oz., 25c	.15	.80
Sweet Wivelsfield Double mixed....¼ oz., 75c	.35	2.60
Best rock work species mixed ×....¼ oz., 60c	.25	2.00
Vaginatus. Fine rock plant, cardinal red flowers.	.35	....
Winteri. A Pink of striking beauty. Single, bold form, delightful pure colors, fragrant, blooms from seed first year. Compact habit, 9 in., ⅛ oz., $1.40	.50	....
Dicentra Eximia (Plumy Bleeding Heart). Dwarf. 12 in....¼ oz., 90c	.50	3.00
Dictamnus Fraxinella (Gas Plant). Pink flowers with dark veins, 30 in....¼ oz., 45c	.25	1.40
Fraxinella Albus. White, 30 in. ....¼ oz., 45c	.25	1.50
Mixed....¼ oz., 40c	.20	1.20
Dielytra Spectabilis (Bleeding Heart)	.50	....

Seeds of Biennials and Hardy Perennials



DIANTHUS Neglectus Rose Cushion

MYOSOTIS Alpestris Blue Basket

DORONICUM

DIGITALIS (Foxglove)

	Trade pkt.	Oz.
Canariensis. Canary-yellow. 3 ft. ..... 1/8 oz., $1.00	$0.50	....
Hybrida Lutzii. Salmon hybrids. 4 ft. ..... 1/4 oz., 40c	.25	....
Gloxiniaflora. Mixed, spotted flowers, 4 ft.	.15	$0.50
Alba. White	.15	.50
Purple	.15	.50
Rose	.15	.50
Isabellina. A good yellow ..... 1/4 oz., 25c	.15	.80
Shirley Hybrids. Mixed. Enormous flowers, rich mixture, 6 to 7 ft.	.15	.60
Grandiflora. Chrome-yellow (Ambigua), 36 in.	.20	80
Maculata Iveryana. Spotted varieties, 4 ft.	.15	....
Purpurea Monstrosa. Mixed, 3 ft. Long spikes surmounted by one enormous flower	.15	.60
Vaughan's Special Mixture	.15	.80

Doronicum Caucasicum. Large daisy-like flowers have long stems and keep fine when cut. Divisions potted up in Dec. are easily flowered in a cool greenhouse in Feb. 2 ft. Seed germinates slowly . . 1/16 oz., $1.00 — .50 ....

Pardalianches Bunch of Gold. Long stemmed canary-yellow ....

Plantagineum Excelsum. Deep chrome yellow, large flowered ....

Echinacea Purpurea Hybrida (Coneflower). Mixed. Superb varieties ..... 1/4 oz., 50c — .25 1.80

FORGET-ME-NOT × (Myosotis)

Alpestris Blue Basket. Best, deepest blue. . . 1/4 oz., 60c	.25	2.00
Blue Eyes. Bright blue with white eye, large, early ..... 1/4 oz., 70c	.25	2.40
Indigo Blue (Royal Blue). 12 in. ..... 1/4 oz., 40c	.15	1.40
Blue Compacta. Deep blue ..... 1/4 oz., 55c	.25	1.80
Rosea. 12 in.	.20	1.00
Stricta. Blue Bouquet. A compact, upright grower of the pillar or column type, completely smothered with flowers of bright blue. 1 ft. ..... 1/4 oz., 75c	.25	....
Pink Bouquet. Pink. 1 ft. ..... 1/4 oz., 60c	.25	2.00
Indigo Blue Bouquet. Dark blue. 1 ft. . 1/4 oz., 70c	.25	2.20
White Bouquet	.25	....
Bouquet mixed	.25	....
Victoria. Dwarf globular strain. 8 in.:		
Sky-blue. Excellent variety ..... 1/4 oz., 60c	.25	2.00
Indigo Blue. Fine dark blue ..... 1/4 oz., 60c	.25	2.00
Rosea. Pink ..... 1/4 oz., 70c	.25	....
White	.25	....
Dissitiflora. Rich blue, early and compact	.35	....
Oblongata Perfecta. Early and late flowering. 1/4 oz., 50c	.25	1.40
Palustris. The true Swamp Forget-Me-Not. Azure blue flowers, creeping habit ..... 1/4 oz., 50c	.15	1.60
Semperflorens. Dwarf, blue, in flower from early spring until autumn, 1 ft. ..... 1/4 oz., 55c	.25	1.80

FORGET-ME-NOT—Continued.

	Trade pkt.	Oz.
Vaughan's Early Blue Bird. An extra early flowering strain of Blue Bird type and color. Should be used exclusively for cutting and valuable for pots or bedding ..... 1/4 oz., 85c	$0.35	$2.85
Hybrida Ruth Fisher. Neat and compact habit, and the lovely blue flowers shoot up strongly over the glossy dark green foliage, 10 in. ..... 1/16 oz., $1.00	.50	....
Star of Love. Dwarf blue, 8 in.	.50	....
Compacta Annemarie. Large dark blue flowers, compact habit, most beautiful forcing variety. 6 inches high ..... (500 seeds)	.50	....
Echinops (Globe Thistle) Ritro. Blue, 5 ft.	.10	.40
Edelweiss. × Large-flowered, 6 in. ..... 1/8 oz., $1.00	.35	
Eremurus, known as Fox tail lilies and Desert Candles, takes 4 to 5 years to flower from seed. Stratify seed in sand for a couple of months. You can then sow them in flats or pans, leaving them in a cold frame and exposing them to a good freezing.		
Eremurus Robustus, Pink, 7 ft.		
Himalaicus White. Mixed ..... 1/4 oz., 85c	.35	3.00
Erigeron Speciosus Hyb. Grandiflorus. Rosy lilac, 30 in. ..... 1/4 oz., 50c	.25	1.80
Speciosus Hybridus Semi-plenus, semi-double lavender, varies 1 2/3 ft. ..... 1/4 oz., $1.20	.35	4.00
Double Beauty. Ideal subject for herbaceous border and attractive violet blue cut flowers, 2 1/2 ft.	.50	....
Coulteri. Forms neat clumps about 10 in. tall and the large white rayed blossoms with yellow centers come in June ..... 1/4 oz., 80c	.25	2.80
Grandiflorus Elatior. Rosy, 24 in.	...	....
The Erigerons are closely related to the Michaelmas daisy type of asters.		
Erinus × Alpinus. Purple, for borders, 6 in.	.50	....
Eryngium Amethystinum. Amethyst-blue, 3 ft. ..... 1/4 oz., 50c	.25	1.60
Bourgatii. The leaves deeply cut have light veins which are very attractive. The stems, flower-heads and radiant pointed petals are steel-blue.	.50	...
Planum. Cornflower blue, globular heads, 4 ft.	.15	.60
Eupatorium Fraseri. White, for cutting, 2 ft.	.15	.80
Euphorbia Corollata (Wild Baby's Breath). Resemble Gypsophila but the flowers are larger and more pronouncedly white. Blooms in midsummer, small white stars indescribably delicate and airy. Valuable for bouquets. Leaves turn a rich wine color in fall. Will stand any amount of drought. 2 ft. ..... 1/8 oz., 70c	.35	4.00
Myrsinites. Grey trailer heads of yellow flowers. 3 in. ..... 1/4 oz., $1.00	.35	....

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

GAILLARDIA Grandiflora Maxima Aurea

Seeds of Biennials and Hardy Perennials

EUPHORBIA—Continued. Trade pkt Oz.

Polychroma. The flowers are bright yellow changing to a rosy bronze. 15 to 18 in..... $0.50 ....

Francoa Ramosa Hybrida. Bridalwreath. Pure white elegant flowers. 2½ ft..... ... .

GAILLARDIA Grandiflora

Bremen. Coppery scarlet with yellow tips..¼ oz., 45c .25 $1.40

Burgundy. Self colored wine-red, 2½ in. in diameter, on long stiff stems, from June until fall. Comes 60% to 70% true, 30 in. .....¼ oz., 50c .25 1.80

Chloe. Large flowering Indian yellow.....¼ oz., 70c .35 2.40

Dazzler. Large flowers, bright golden yellow with rich maroon-red center. 3 ft.....¼ oz., 40c .25 1.40

Goblin. Very compact globular plants, red and yellow bicolor.....¼ oz., 90c .35 ....

Maxima Aurea. Very large golden yellow flowers with large red eye.....¼ oz., 40c .25 1.35

Monarch Strain. A robust strain very varied in coloring and with flowers of giant size and perfect form. .....¼ oz., 90c .35 ....

Portola Hybrids. The flowers are very large, the petals being very broad and overlapping, of great substance, and spread out flat. Color a brilliant scarlet with copper hue. Petals heavily tipped with golden yellow. 2½ to 3 ft..... .25 1.40

Tangerine. Vivid tangerine orange.....¼ oz., 50c .25 1.60

The King Regalis. Deep red, edged gold, large flowers .....¼ oz., 55c .25 1.80

Torchlight. Bright golden yellow, rich maroon center. 2 ft.....¼ oz., 60c .25 2.00

Gas Plant, see Dictamnus.

Grasses, Ornamental

Erianthus Ravennae. Plume Grass. 6 to 8 ft..... .10 .40

Festuca Glauca. True blue grass with dense glaucous tufts. Blue stemmed grass.....¼ oz., 30c .15 ....

Gymnothrix Latifolia (Pennisetum Latifolium). 36 in. .10 ....

Gynerium Argenteum. Pampas Grass..... .10 .40

Stipa Pennata. Feather Grass. 2 ft..... .25 ....

Uniola Latifolia. Spike Grass. 3 ft..... .15 .50

Garden Heliotrope, see Valeriana.

Gerbera Jamesoni. New Flowerland strain. A popular greenhouse forcing perennial plant, fine for cutting. New seed is always available, as it is harvested at intervals during the year..... .....100 seeds, 40c; 1000 seeds, $3.00 ....

Gentiana Acaulis. Gentian-blue, beautiful for edging, 5 in.....¼ oz., 60c .25 ....

Lutea. Yellow. Tall robust species, 40 in..... .25 ....

Geum Coccineum Atrosanguineum Pl.×Semi-double, orange-red, 2 ft.....¼ oz., 50c .25 1.80

Boresi (True). Is an evergreen species with foliage rather prostrate and branching flower stems 8 to 12 in. long. Orange scarlet flowers produced abundantly over a long period.....¼ oz., $1.20 .50 4.00

GEUM—Continued. Trade pkt. Oz.

Lady Stratheden × (Golden Ball). The blooms are large double golden yellow. 2 ft.....¼ oz., 50c $0.25 $1.60

Mrs. Bradshaw. × Large double glowing red. 2 ft. .....¼ oz., 50c .25 1.60

Orange Queen. Large double orange-scarlet. 2 ft. .....¼ oz., 80c .35 2.80

Prince of Orange. True orange .....¼ oz., $1.20 .50 4.00

Mixed.....¼ oz., 60c .25 2.00

Gilia Coronopifolia (Ipomopsis Elegans Mixed). 3½ ft. (Standing Cypress.) The flowers are 1½ inches long, trumpet shape, borne along the side of the stem, mixed colors. A biennial.....¼ oz., 40c .25 1.40

Coronopifolia Red.....⅛ oz., 50c .25 ....

Globularia Trichosantha (Globe Daisy). Dwarf growing with small globe-shaped flowers of dark blue. 12 in..... .35 ....

Golden Rod, see Solidago Canadensis.

Gypsophila Acutifolia. Is a valuable, strong growing plant which branches freely and grows to 3 feet. The many tiny flowers are flushed pink and make an attractive mass. Flowers in midsummer. Excellent for bouquets.....¼ oz., 50c .15 ....

Oldhamiana. Great tangles of airy, misty blossoming in pinks. The florets are slightly more than a quarter of an inch in diameter and possesses a white throat. Blooms in fall. The foliage is silvery overcast. .....¼ oz., 45c .25 1.40

Pacifica. Starry pink blossoms on branching panicles. Good cut flower. Sept. and Oct. 4 ft. ¼ oz., 70c .25 2.40

Paniculata Snow-White Double. Absolutely pure white strain of this popular plant, 2 ft..... .....¼ oz., $1.20 .50 4.00

Paniculata White. Small single white flowers in great profusion, useful for cutting, 40 in.....lb., $2.80 .10 .30

Repens × White flowers, trailer, good border or rock plant, 6 in.....¼ oz., 40c .25 1.40

Rosea. Pink.....¼ oz., 50c .25 1.80

Helenium Autumnale Superbum. Yellow..¼ oz., 95c .35 3.20

Autumnale Hybr. Nanum Praecox. Remarkable dwarf, early hybrids in yellow, bronze, crimson and brown shades..... .35 ....

Bigelowi. Yellow dark disc, for cutting, 20 in..... .....¼ oz., 70c .25 2.40

Hoopesi. Yellow. Early flowering, 30 in..¼ oz., 40c .15 ....

Riverton Beauty. Lemon-yellow with large purplish black cone, 4 ft.....⅛ oz., $1.40 .50 ....

Riverton Gem. Flowers open as old gold and terra-cotta changing to wallflower red, a beautiful variety, 3½ ft.....¼ oz., $1.00 .35 3.60

Helianthemum × Mutabile. Mixed Colors. (Rock Rose.) Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. 8 to 12 in..... .15 .80

Helianthus (Sunflower). Harvest Moon (Laetiflorus). Flowers semi-double with three rows of petals, long and incurved, on stiff stems and of a rich yellow color.....¼ oz., 60c .25 ....

Maximilianus. Early-flowering, yellow, 3 ft..... ... .

Perennial Varieties. Mixed.....¼ oz., 70c .25 ....

Heliopsis Laevis Pitcheriana. Golden yellow, 4 ft..... .25 1.00

Laevis Soleil d'Or. Golden yellow, 5 ft..... ... .

Lemoine's Giant. A very brilliant border plant resembling a double sunflower; flowers are double and semi-double golden yellow. A perennial that blooms from seed the first year.....¼ oz., 50c .25 1.80

Scabra Zinniaeflora. Large deep yellow flowers, very showy, free and continuous bloomer, 3 ft. ¼ oz., 50c .25 1.80

Helleborus Niger. Christmas Rose. White tinged rose, fine for winter. Seed germinates very slowly. 15 in. .....lb., $8.00 .15 .80

Hesperis Matronalis (Sweet Rocket). Lilac, 40 in... .....lb.,$2.60 .10 .25

Matronalis Alba. White, 40 in.....lb., 2.60 .10 .25

Heuchera × Sanguinea. Bright rich crimson, blooms from early summer until fall. Excellent for cutting. 30 in.....¼ oz., $1.65 .50 6.00

Sanguinea Splendens. Bright vermilion. ¼ oz., 1.65 .50 6.00

Hybrida Grandiflora. Mixed, 30 in...¼ oz., 1.20 .35

Hoodacres Hybrids. These are the result of 14 years of selection. Very vigorous and prolific. The bells much larger than other sorts. The bloom stalks are tall; some have the habit of blooming twice in a season. Wide range of color shades..... 1.00 ....

Brizoides. Bright rose, 30 in..... .50 ....

GYPSOPHILA Oldhamiana

Seeds of Biennials and Hardy Perennials

		Trade pkt.	Oz.
Hibiscus Giant Yellow Sunset or Golden Bowl. Needs protection, 2 ft.	¼ oz., 30c	$0.15	$1.00
Crimson Eye. White with red eye, 4 ft.	¼ oz., 30c	.15	1.00
Mallow Marvels. Mixed, 4 ft.	lb., $4.00	.10	.40
Jumbo Red	¼ oz., .50	.25	1.60
Rose		.15	.60
Hieracium × Villosum. Yellow, silvery leaves, 12 in.		.35	....
Hollyhocks. Double.			
Appleblossom	¼ oz., 40c	.25	1.20
Blood-Red (Crimson)	¼ oz., 40c	.25	1.20
Chamois. Colorado Sunset or Queen of Sheba. Salmon-rose	¼ oz., 40c	.25	1.20
Lilac Beauty	¼ oz., 40c	.25	1.20
Maroon	¼ oz., 40c	.25	1.20
Deep Rose	¼ oz., 40c	.25	1.20
Newport Pink	¼ oz., 40c	.25	1.20
Orange Prince. Waxy buff yellow with wine-red suffused over lower petals	¼ oz., 75c	.35	2.40
Scarlet	¼ oz., 40c	.25	1.20
White	¼ oz., 40c	.25	1.20
Yellow	¼ oz., 40c	.25	1.20
Chater's Prize. Double Mixed	lb., $9.00	.25	1.00
Imperator, Improved ("Begonia Flowered" Crested Mixed). New formation, collar of frilled and fringed edges	¼ oz., 50c	.25	1.60
Begonia Flowered. Pastel shades	¼ oz., 60c	.25	1.80
Souvenir Mixture. Semi-double, good placement in wonderful color range	¼ oz., 65c	.25	2.00
Triumph. Double waved and fringed flowers in delicate art shades	¼ oz., 50c	.25	1.60
Vaughan's Special Mixture includes all Doubles, Imperator, Triumph and Allegheny	¼ oz., 50c	.25	1.80
Single			
Maroon (Black)	¼ oz., 25c	.15	.80
Pink	¼ oz., 30c	.15	1.00
Red	¼ oz., 50c	.25	1.60
Rose	¼ oz., 30c	.15	1.00
Salmon (Chamois)	¼ oz., 30c	.15	1.00
White	¼ oz., 50c	.25	1.60
Yellow	¼ oz., 50c	.25	1.60
Single mixed	lb., $4.00	.10	.50
Allegheny. Mammoth-flowering, mixed		.15	.40
Everblooming Double Hybrids, mixed. If sown early will bloom first year		.15	.60
Indian Spring. It produces flowers of varying attractive bright rose and rosy carmine shades. Double and semi-double. Blooms from seed first year	¼ oz., 50c	.25	1.80
Hyacinthus Candicans. White yucca-like flowers. Very decorative, 4 ft		.15	.60
Incarvillea Delavayi. Large Gloxinia-like flowers, rosy purple, very handsome, 24 in.	¼ oz., $1.80	.50	6.00
Grandiflora. Flowers brilliant rose, dwarf habit, 2 ft.	⅛ oz., $1.00	.50	....
Brevipes. Large brilliant crimson rose flowers. 2 ft.		$0.50	....
Hybrida Bee's Pink. Soft pink, large trumpet-shaped flowers. 18 in.	1/16 oz., $1.00	.50	....
Inula × Ensifolia. One of the finest yellow flowering plants for the rockery, blooming during July and Aug. Compact bushes 16 in. high with large daisy-like flowers. Prefers full sun and soil that is not too rich, 12 in.		.25	....
Glandulosa Grandiflora. Orange. 2 ft.		.35	....
Royleana. Rich orange colored flowers 4 to 6 in. across. The black buds are very conspicuous. 2 ft.			
Iris Dichotoma, August or Vesper Iris. Fragrant flowers on tall branching sprays. In bloom from July to early September. Variable in color, cream to violet purple with markings of buff, orange, copper, brown, mahogany, and rose. Seed sown in early spring while soil is cool. Usually a fair proportion will bloom the first summer	¼ oz., 65c	.35	$2.00
Kaempferi. Mixed. Japanese Iris. Most seedlings bloom the second year. 18 in.	lb., $6.00	.15	.60
Siberian Mixed. 36 in.		.10	.30
Isatis Glauca. Foliage silvery grey-green. Clouds of fine yellow flowers in July. 2 ft.		.15	.60
Jasione Humilis. Compact habit, about 1 ft. high, producing blue globe shaped flowers. Easy culture.		.35	....
Kenilworth Ivy × Linaria Cymbalaria. Pretty trailing variety. Pink	¼ oz., 40c	.25	1.40
Kudzu Vine. Pueraria Thunbergiana. Fragrant, lavender flowers	lb., $4.00	.10	.40
Lathyrus Latifolius (Everlasting Pea). Mixed.	lb., 4.00	.10	.40
Latifolius Pink Beauty, very fine, 6 ft.	lb., 6.00	.15	.50
Red. Magenta, 7 ft.	lb., 6.00	.15	.50
White Pearl. Splendid sprays of bloom, 5 ft.	lb., 6.00	.15	.50
Lavendula Vera. True Sweet Lavender.	¼ lb., 1.50	.15	.50
Vera, Rose, White and Blue Mixed		.35	....
Munstead Strain. A most valuable variety producing large sweet-scented flowers in abundance. It flowers a month earlier than the common Lavender; height not exceeding 1 foot.	¼ oz., 70c	.25	....
Lepachys Maroon and Gold. Extraordinary plant, decidedly attractive, the flower-heads are little silky columns set successively with tiny blossoms and guarded at the base by wide petal-rays of richest maroon, gold-edged		.35	....
Liatris Spicata (Blazing Star). Purple rose, 20 in.	¼ oz., 60c	.25	2.00
Pycnostachya. Long spike of brilliant rose-purple flowers. Aug. to Oct., 4 ft.	¼ oz., 70c	.25	2.40
Scariosa. Violet-purple, 4 ft.	¼ oz., 80c	.35	....
Alba. Is stocky almost bushy and has several full flowering stalks growing about 2½ ft. high. The stems branch freely, the lower ones being the longer. The flowers are attractive white pompons thickly studding the main stalk as well as the branches	¼ oz	$1.75	.50	6.00
Autumn Spire. Graceful spires of a lovely rosy purple color. Flower stalks 2½-3 ft. with flower-heads 18 to 24 in. long, tapering from about 4 in. at bottom of flower-head to 12 in. at top. Start flowering about September 15th. They stand up in good condition for weeks as cut flowers. This variety sold in a very dull period in the New York Wholesale Market at 50 to 75c a dozen spikes	⅛ oz., $1.25	.50	....

Lilies

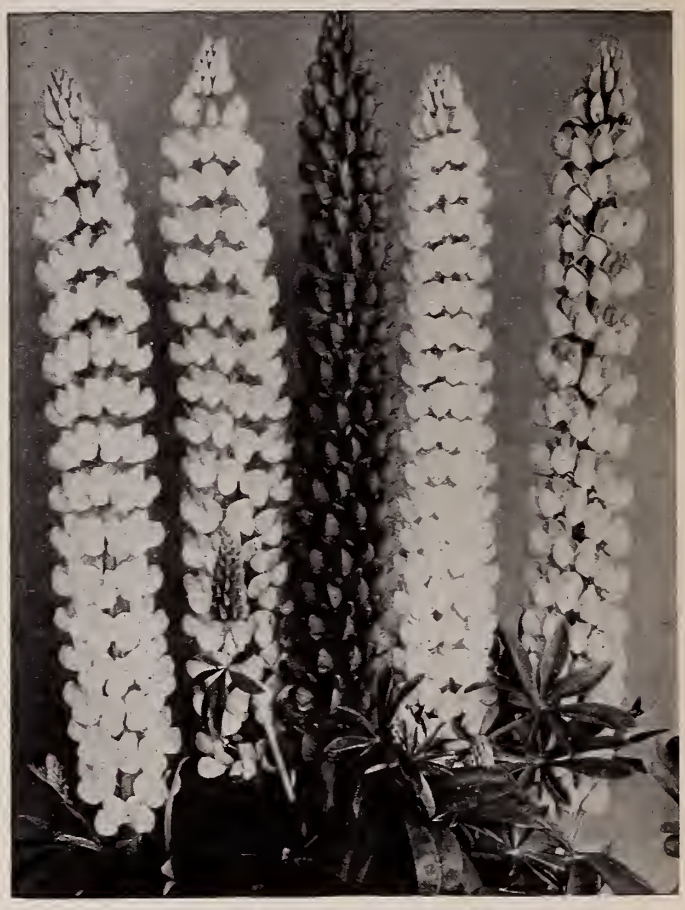
Auratum Platyphyllum. Larger than the type; more heavily marked	¼ oz., 50c	.25	1.80
Backhouse Hybrids. Free flowering. Many unusual shades	100 seeds, 85c; 1000 seeds, $6.00	....	....
★Candidum "Saloniki." Well known white Madonna Lily, pure white flowers, dark stem, immune to disease	¼ oz., $1.70	.50	6.00
Cernuum. Lilac nodding flowers, grass-like foliage.			
Concolor. Erect fiery scarlet with dark red spots.	¼ oz., 60c	.25	2.00
Henryi. Rich deep orange-yellow. 4 ft.	¼ oz., 85c	.25	3.00
Martagon. Turk's Cap Lily	¼ oz., 85c	.25	3.00
Formosanum. Improved Pure White. This selected strain produces 80% pure white flowers	lb. $20.00; 4 oz., $5.50; ¼ oz., 50c	.25	1.80

Rock Plants are followed by ×, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

LILLIES—Continued.

	Trade pkt.	Oz.
Formosanum Giant Pure White ..... lb. $28.00; 4 oz., $7.50; ¼ oz., 75c	$0.35	$2.50
Longiflorum Praecox (White Queen). Produces blooms of the well known Erabu type within twelve months from sowing. Long trumpet flowers of clear white. ½ trade pkt., 60c; ⅛ oz., $1.75	1.00	12.00
Regale, Regal Lily. Pink outside, interior primrose-yellow, 3 to 5 ft. ..... lb., $4.80	.15	.50
Speciosum Rubrum ..... ¼ oz., 50c	25	1.80
Tenuifolium (Siberian Coral Lily). Flowers glowing glossy scarlet up and down the stem. 20 in. ..... lb., $6.00	.15	.60
Golden Gleam. 24 in. Blooms are deep orange and have recurved petals of waxy texture.. ¼ oz., 95c	.35	3.40
Washingtonianum (Mt. Hood Lily). Pure white, slightly tinted and dotted purple inside. ¼ oz., $1.40	.50	5.00
Willmottiae. Flowers vivid orange-red with recurved petals, spotted with brown slender foliage. 4 ft. ..... ¼ oz., $1.35	.50	....
Mixed. Many varieties ..... ¼ oz., 50c	.25	1.80
Culture on Lilies from seed sent free with order.		
Linaria. Alpina. × Purple blotched orange, 4 in.	.50	....
Canon Want. Pale pink. Blooms first year if sown early. 2½ ft. ..... ¼ oz., $1.20	.35	4.00
Cymbalaria, × Pink, 3 in. ..... ¼ oz., 40c	.25	1.40
Dalmatica. Lemon yellow, height 3 ft. .... ¼ oz., 40c	.25	1.40
Macedonica Speciosa. Nymph. Creamy white. 36 in.	.25	....
Linum Perenne (Perennial Flax). Very pretty pale blue flowers. 30 in. ..... lb., $3.00	.10	.30
Perenne Fl. Album. Neat white flowers. 30 in.	.10	.40
Mixed	.10	.40
Alpinum × Pale blue. Prostrate habit..	.50	....
Flavum. Yellow. The straight stems bear their thin green leaves of dark green, which serve to make a contrast to the deep golden yellow flowers, which are produced most freely July to Sept. 1 to 2 ft. ..... ¼ oz., 50c	.25	1.80
Compactum Nanum × Glowing golden yellow, dark green foliage. Everbloomer, 6 in. .. ⅛ oz., $1.00	.35	....
Narbonense. Fine blue, flowers large, graceful habit. 30 in. ..... ¼ oz., 60c	.25	2.00
Heavenly Blue. The flowers are twice as large as the common Linum perenne. The color is a luminous ultramarine blue. Planted in masses gives a really charming effect	.50	....
Lobelia Cardinalis (Cardinal Flower). 36 in. ¼ oz., 85c	.25	3.00
Syphilitica. Large blue flowers. 24 in.	.25	....
Lunaria Biennis. Lilac purple flowers, silvery pod. ..... lb., $4.00	.15	.40
Biennis Alba. White flowered variety.. lb., 5.00	.15	.50
Munstead Purple Giant	.15	.80
Lupinus Polyphyllus.		
Albus. Large, pure white spikes. 2 to 3 ft.. lb., 4.00	.10	.40
Atro-violaceus. Large dark blue ..... ¼ oz., 25c	.15	.80
Coelestinus. Varies light to dark blue. .... ¼ oz., 35c	.15	1.00
Carmineus. Carmine shades ..... ¼ oz., 25c	.15	.80
Chocolate Soldier. Terra-cotta shades .... ¼ oz., 90c	.35	3.00
C. M. Prichard. Pale salmon-orange with yellow. ..... ¼ oz., 90c	.30	3.20
Lavender Queen. Lavender tinted pink, 3 ft. ¼ oz., 30c	.15	1.00
Luteus. A strain of varying yellow shades. ¼ oz., 25c	.15	.80
Princess Juliana. Rich pink, 3 ft.	.15	.60
Roseus. Very pretty rose shades. 3 ft. ..... lb., $5.00	.15	.50
Salmoneus. Delicate salmon shades. ..... ¼ oz., 40c	.25	1.20
Six Hills Scented. Flowers are sweetly scented and have a great range of color ..... lb., $5.00	.15	.50
Sunshine (Arboreus Type). Golden yellow, 30 in. ...	.15	.60
Harkness' Regal Mixture. A mixture of charming new colors, in which rose, buff, flesh and salmon shades predominate ..... lb., $5.00	.15	.50
Downer's Hybrids. Perpetual flowering hybrids. ..... lb., $5.00	.15	.50
Vaughan's Special Mixture. This is a choice mixture of the best perennial Lupins, English and other European strains being chosen to give the utmost variety ..... lb., $8.00; ¼ oz., 25c	.15	.80
Lychnis Alpina. × Rose, 12 in. ..... ⅛ oz., $1.00	.35	....
Arkwrightii. Large flowers in brilliant colors, varying from orange-scarlet to soft salmon-pink. May. 2 to 3 ft. ..... ¼ oz., 40c	.25	1.40
Chalcedonica Salmon Queen. Beautiful salmon shade. 3 ft. ..... ¼ oz., 40c	.15	1.20



LUPINUS POLYPHYLLUS RUSSELL

Russell Lupinus

A MARVELOUS SELECTION OF PERENNIAL LUPINS

Most unusual colors and color combinations; some flowers are self colors and many bicolors, the standard being of one color and the keel of another. The flowerettes are much larger than the other Polyphyllus varieties. The spikes are crowded with blossoms and resemble a closely set well rounded column of Sweet Peas. Useful as a cut flower.

The Russell Lupins have three virtues not including colour, that the older varieties lacked. Ability to travel well when cut, less tendency for the lower flowers to fade before the whole spike is out and excellent keeping qualities in the house.

Grown from originator stock seed. Trade pkt., 30c; ¼ oz., 65c; oz., $2.00.

Reselected seeds, originator's Green Seal packets: 20 seeds, 40c; 65 seeds, 90c, Net.

LYCHNIS—Continued.

	Trade pkt.	Oz.
Chalcedonica. Scarlet, 36 in. ..... lb., $4.00	$0.15	$.40
Forrestii Hybrids. Showy panicles of carmine, crimson, pink and white flowers, excellent for rock garden and border, 2 ft.	.25	....
Haageana Hybrida. Mixed, extra choice, 18 in. ..... ¼ oz., 60c	.25	2.00
Scarlet, large brilliant flowers, very fine. 18 in.	...	....
Viscaria Splendens. Early, deep rose, 16 in. ¼ oz., 30c	.15	1.00
Lythrum Roseum Superbum. Rose-purple in spikes. A good border plant. 40 in. ..... ¼ oz., 30c	.15	1.00

Matricaria Double Select White (Ball's Double White). This is the one and only fully double-flowering pure white strain of Feverfew from seed. It is 98% true to this description. 30 in. Trade pkt., 35c; ⅛ oz., $1.00; oz., $6.00.

Matricaria Golden Ball. Striking double golden yellow.	Trade pkt.	Oz.
8 in. ..... ¼ oz., 50c	$0.25	$1.80
Snowball. Double white. 8 in. ..... ¼ oz., 50c	.25	1.80

LILIUM Formosanum Giant Pure White

Seeds of Biennials and Hardy Perennials

		Trade pkt.	Oz.
Monarda Didyma. Scarlet. 30 in.	⅛ oz., 90c	$0.50	$6.00
Hybrida. Mixed. 36 in.	¼ oz., 75c	.25	....
Myosotis. See Forget-Me-Not, pages 40 and 41.			
Nepeta Mussini. × Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. 1 ft.	¼ oz., 50c	.25	1.80
Nervosa. Clear light blue flowers.	¼ oz., 65c	.25	....
Souvenir d'Andre Chaudron. Bright blue. 24 in.		.35	....
Nierembergia Hippomanica (Coerulea). This little Dwarf Cup Flower starts flowering when the plants are only about two inches tall, that is, about 15 weeks after the seed is sown, and keeps on right up until fall. The lovely lavender-blue shade, heightened by a touch of yellow in the center, is most charming. Plants are compact and not over 5 or 6 inches tall. As an edging plant it is unexcelled and it makes a splendid pot plant. It is a half hardy perennial which will winter over if given some protection.	1/16 oz., $2.00	.50	....
Oenothera Fraseri. Deep yellow. 24 in.	¼ oz., 75c	.35	
Lamarkiana. Large yellow on long spikes, 2 ft.		.10	.25
Macrocarpa. Yellow, June-Sept. 12 in.	¼ oz., 60c	.25	2.20
Youngei. Large yellow bloom. 18 in.		.35	....

POPPY

Cut newly opened flowers either early in the morning or in the late evening and immediately (within five minutes of cutting) burn the ends of the stems at the gas range or electric range for a depth of two inches. Burn them well until the ends are charcoal and glow red when taken from the fire. Then put them in fresh water and your Poppies will last from three days to a week in the house, or you can put them in full sun and they will stand up two or three days, or until the petals drop, without wilting. And very few even so-called fine cutting flowers will stand up like this in the hot sun.

Papaver (Poppy) Alpine. × Mixed. Pretty delicate dwarf species. 10 in.	⅛ oz., 50c	Trade pkt. $0.35	Oz. $3.20
Nudicaule × (Iceland). Amurense "Yellow Wonder." Large flowers of buttercup-yellow are freely produced on stems 25 inches long. Foliage is glaucous, covered with short hairs.	¼ oz., 60c	.25	2.20
Coonara. Pink shades. 1½ ft.	¼ oz., 50c	.25	1.80
El Monte. Deep tangerine orange. Superseded by "The Emperor"			
The Empress. Flower large, full, well formed, with broad overlapping petals, deeply fluted or wrinkled, giving the effect of doubleness. The colors range through lovely shades of salmon-rose and creamy pink.	¼ oz., 60c	.25	2.00
The Emperor. Large-flowered, orange, long-stemmed.	¼ oz., 60c	.25	2.00
Red Cardinal. New, nearest approach to crimson scarlet		$0.35	....
Sanford's Giant Hybrids. The flowers are 2½ to 3 inches in diameter and come in shades of orange and yellow and white with long, stiff stems. Extremely free-flowering, it lasts exceptionally well as a cut flower, 2 ft.	¼ oz., 60c	.25	$2.00
Gartref New Hybrids. Selected from range of art shades, all with darker penciled edging. Excellent cut flower. Blooms the first year.	¼ oz., 60c	.25	2.00
White		.15	.80
Double Mixed	¼ oz., 60c	.25	2.00
Vaughan's Special Mixture of Iceland Poppies, containing every worthwhile strain of these beautiful and useful Poppies	¼ oz., 75c	.25	2.80

ORIENTAL POPPY

Orientale (Oriental Poppy). Scarlet, 3 ft.	lb., $8.00	.15	80
Brilliant. Brilliant fiery red, 40 in.	¼ oz., 60c	.25	2.00
Beauty of Livermere. Oxblood-red.	¼ oz., 75c	.25	2.60
Carneum. Light and dark salmon-pink shades. 70% true. 40 in.	¼ oz., 60c	.25	2.00
Goliath. Brilliant scarlet.		.25	....
Mahony. Maroon-crimson. 40 in.	¼ oz., $1.00	.35	3.60
Mrs. Perry. Salmon-rose.	⅛ oz., 1.20	.35	....
Olympia. Very attractive flowers, light scarlet with salmon shading. About 40% will be double flowering		.50	....
Perry's White. White flowers with a tinge of blush.		...	....
Princess Victoria Louise. Flowers rather small, resembling a large tulip; perfect form; light orange-salmon. 40 in.	¼ oz., 70c	.25	2.40
The Feltham. Shades of scarlet, orange and apricot without the dark blotch at base of flower, 2 ft.		.50	....
New Oriental Hybrids. From a collection of new named sorts.	¼ oz., 60c	.25	2.00
Vaughan's Special Mixture	¼ oz., 75c	.25	2.80

The named varieties of Oriental Poppies do not come entirely true from seed.

Pentstemon. Digitalis. White tinted violet, 36 in.		.25	....
Heterophyllus. Blue Gem. × Flowers bright gentian-blue shaded with light violet. June to August, 14-18 in.	¼ oz., 60c	.25	2.00
Glaber. Blue, 36 in.	¼ oz., 60c	.25	2.00
Grandiflorus. Excellent, easily grown, long lasting cut flower. Lavender-blue. 3 ft.	¼ oz., 85c	.25	3.00
Pubescens. Violet-purple, lips white, 18 in.	¼ oz., 1.00	.25	....
Phlox Decussata. Perennial varieties mixed. This special mixture comes from a superior collection of large-flowering sorts. We flowered this mixture in our nursery last summer and were greatly pleased with the size of the flowers, flower-heads and colors. Perennial Phlox do not come true from seed and can be had only in mixture. Seed germinates slowly. 2-3 ft.	4 oz., $5.00; ¼ oz., 40c	.25	1.50
Physalis Franchetti (Chinese Lantern Plant).		.15	.60
Gigantea. The attractive orange-scarlet balloon seed pods are of the same color as the well known Franchetti but are twice as large.	⅛ oz., $1.00	.35	....
Physostegia Virginica. Deep rose flowers in close compact spikes, 4 ft.	¼ oz., 40c	.25	1.40
Virginia Alba. Fine pyramidal habit, large spikes, white flowers, 36 in.	¼ oz., 50c	.25	1.60
Gigantea. Lilac rose. 4 ft.	¼ oz., 60c	.35	2.00
Compacta. Dwarf, rose		.25	....
Platycodon Grandiflorum. Blue, 28 in.		.15	.60
Grandiflora. Alba. White, 28 in.	¼ oz., 25c	.15	.80
Mixed, 28 in.		.15	.60
Early-Flowering Giant White. 28 in.	¼ oz., 40c	.20	1.40
Early-Flowering Giant Blue.	¼ oz., 40c	.20	1.40
Praecox Gigantea. Early-flowering blue.	¼ oz., 60c	.25	2.00
Mariesii. Dark blue, dwarf, 16 in.	¼ oz., 60c	.25	2.00
Alba. White and faint blue, dwarf, 16 in.	¼ oz., 70c	.25	....
Polemonium Coeruleum. Jacob's Ladder. Large blue, very ornamental, 30 in.		.15	.50
Coeruleum Album. White, 30 in.		.15	.60
Reptans. Flower sprays of china blue. Mounds of blossoms. A beauty, and adaptable to varied conditions. 12 in.	¼ oz., $1.25	.35	....
Richardsoni. Dwarf, blue, early, 20 in.	¼ oz., 30c	.15	....
Polyanthus (See Primula Veris).			

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

PRIMULA Veris (Polyanthus)

PRIMULA Auricula

PYRETHRUM Roseum Double

	Trade pkt	Oz
Potentilla Formosa × Cherry-red, 12 in.	$0.25	....
Nepalensis × Miss Willmott. Bright carmine rose, 12 in. ¼ oz., 50c	.25	....
Roxana. Brilliant salmon with darker veins, 18 in. ⅛ oz., 50c	.25	....
Warrensi. A lovely plant for the sunny hardy border. Covered with large, pure yellow blossoms all summer. Suitable for cutting. 2 ft. ¼ oz., 70c	.25	....
Double Mixed, 20 in. ¼ oz., 70c	.25	....
Single Mixed, 26 in. ¼ oz., 40c	.15	$1.20

PRIMULA

Auricula. × Large-Flowering. Mixed, 6 in.	...	....
Giant Flowered. Mixed, 6 in. ⅛ oz., 1.50	.75	10.00
Bullesiana Hybrida. × Fine shades of yellow, orange, apricot and carmine. May-June. 18 in. ⅛ oz., $1.20	.50	....
Bulleyana. Flowers yellow, bud terra-cotta.	.50	
Cashmiriana. Lilac, early, hardy, 12 in.	.50	....
Cortusoides. Rose, 10 in.	.50	....
Florindae. Fragrant, bright yellow pendent flowers. 3 to 4 ft.	.35	
Japonica. × Special Strain. Mixed. 20 in. 1/16 oz., $1.00	.50	
Lissadell Hybrida Red Hugh. × Intense fiery red flowers produced in tiers growing to two feet in height. June	.50	....
Pulverulenta. × Shining purple-carmine. May-June. As hardy as Polyanthus. 16 in.	.35	....
Bartley Strain. Beautiful shades of rose and pink, 3 ft.	.50	....
Rosea Grandiflora. × Rose-carmine, May-June. 8 in.	.50	....
Sikkimensis. Yellow. 15 in.	.50	....

PRIMULA VERIS KLEYNII

It has heavy stems, average length 8 to 12 inches, carrying immense heads of 15 to 25 florets, each floret 1" to 1½" in diameter, rich golden yellow shaded apricot towards center. Plants average 6 flower spikes each, perfectly hardy outside anywhere in the U. S. A. Plants forced in winter can be divided up and planted out in April. Those develop strong plants for the hardy border, rockery, or for forcing the following winter. Large heavy leaves.

100 seeds, 40c; 250 seeds, 85c; 1000 seeds, $3.00.

Veris (Polyanthus). × Coerulea. Dark blue. 1 ft.	Trade pkt.	Oz.
100 seeds, 25c; 1,000 seeds, $1.80	....	....
Colossea Mixed. The large heads of flowers are borne on very long and stiff stalks quite above the foliage and have proven to be very valuable as cut flowers for early forcing. The flowers which are freely produced are extremely large, measuring more than 1¾ inch across. The range of colors is most remarkable, including many quite new shades of lilac, pink, copper as well as the darkest red. 100 seeds, $1.00; 1,000 seeds, $8.00	....	....

PRIMULA Veris—Continued.	Trade pkt	Oz.
Grandiflora. × Mixed. 1 ft. ¼ oz., $1.25	$0.50	$4.00
Excelsior strain of large-flowering varieties. ¼ oz., $1.75	.50	6.00
Mrs. Berkeley's Strain. Very fine new race with large flowers. ⅛ oz., $1.50	.50	...
Gigantea Teicher's Giant Mixed. ⅛ oz., 1.00	.50	6.00
Gold Laced. Brown flowers with yellow edge. ¼ oz., 1.00	.25	....
Lutea. × Yellow, 12 in. ⅛ oz., .70	.35	
White. 12 in. ⅛ oz., .90	....	
Red shades. Splendid mixture, 12 in.	....	....
Acaulis, Mixed. 6 in. ⅛ oz, 70c	.25	....
Coerulea. Blue varies. 500 seeds, $1.00; 1000 seeds, $1.80	....	....
Vulgaris. × True. Yellow Primrose, 6 in. ¼ oz., $1.25	.35	4.00
Pueraria Thunbergiana (Kudzu Vine) lb., $4.00	.10	.40

PYRETHRUM

Roseum. Pink, 30 in. ¼ oz., 90c	.35	3.00
Album. White, excellent. ¼ oz., 90c	.35	3.00
Atrosanguineum. Dark red shades. ¼ oz., $1.25	.35	4.00
Carneum. Flesh. ¼ oz., 80c	.25	3.00
James Kelway. Deep scarlet varies. ¼ oz., 80c	.35	2.80
Grandiflorum Rubrum. Deep ruby red. ⅛ oz., $1.50	.50	....
Album. White. ⅛ oz., $1.50	.50	....
Roseum. Pink. ⅛ oz., $1.50	.50	....
Mixed. ¼ oz., $1.25	.50	4.00
Giant Robinson's Hybrids. Mixed. ¼ oz., $1.00	.50	3.60

Pyrethrum Roseum Hybridum Robinson's Dark Crimson.

The largest, truest and all round best single Pyrethrum.

Trade pkt., 50c; ¼ oz., $1.25; oz., $4.00

Comet-Flowered. Single and semi-double with twisted petals	$0.50	....
Double Pyrethrum. Does not produce 100% double flowers—the percentage is better the second year it flowers.		
Double Atro-roseum, red. ⅛ oz., $1.50	.50	....
Blood-red. 1/16 oz., $2.00	1.00	....
Pink. 1/16 oz., $1.00	.50	....
Salmon	.75	....
Sulphureum Sulphur yellow	1.00	....
White. 1/16 oz., $1.25	.75	....
Mixed. Extra choice. ¼ oz., $1.25	.50	$4.00
Cinerariaefolium. Persian Insect Powder Plant. White, for cutting, 2 ft.	.15	....
Ptarmicaeflorum. Silvery white, feathery foliage, valuable for pots, beds, and edgings	.35	....
Uliginosum. Giant Daisy. White; late 4 ft.	.35	....

Rock plants are followed by ×, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

	Trade pkt.	Oz.
Ranunculus Double Camellia Flowered. Very large flowers in most distinct and uncommon colors, double, semi-double and single. 12 in. ¼ oz., $1.20	$0.50	$4.00
Claremont Hybrid Sunset, Orange	.75	6.00
Bonnie Lassie, Pink	.75	6.00
Huntsman, Red	.75	6.00
Hybrids, Mixed colors. ¼ oz., $1.40	.50	5.00
Rehmannia Angulata. Rose and red shades, 24 in. ¼ oz., $1.50	.50	5.00
Rock Plants. Perennial Mixed. ¼ oz., 40c	.25	1.40
Romneya Coulteri (California Giant Poppy). Beautiful snowy white fragrant flowers. 4 ft. ¼ oz., 60c	.35	2.00
Rosa Polyantha Nana Multiflora fl. pl. × The baby rose for rock gardens, blooms in 5 to 6 months, resembles Rose Rouletti, clean seed	.50	....
Rudbeckia Hirta Herbstwald (Autumn tints). Well formed, large starflowers in all the autumnal shades on long, firm stems. ¼ oz., 50c	.25	1 60
My Joy (Giant Black-Eyed Susan). Large orange-yellow flowers. ¼ oz., 40c	.25	1.40
Newmanii (Speciosa). Orange rays, black disc; a showy autumn bloomer. ¼ oz., 45c	.25	1.40
Purpurea (Echinacea). 4 ft. ¼ oz., 45c	.25	1 40
Ruellia Ciliosa. Starts to bloom in June and lasts till September. In form and coloring the flowers remind one of Petunia Heavenly Blue, with the same silvered sky-blue and lavender reflections. It likes full sun and hot dry places. Sown in very early spring, will often bloom first year	.35	....
Salvia Argentea. Large ornamental white leaves. 36 in. ¼ oz., 30c	.15	1.00
Azurea Grandiflora. Tall growth and long stalks. The blue flowers are large. ¼ oz., 50c	.25	1.80
Patens. Very large flowers, splendid blue, free bloomer. ¼ oz., 70c	.25	2.40
Pratensis. Dark blue. 1⅔ ft. ¼ oz., 50c	.35	1.80
Turkestanica. Bracts white to lilac	.25	....
Verbascifolia Syria. Tall spikes of light blue and white flowers with dark markings. 5 ft. ¼ oz., 50c	.25	1.80
Saponaria × Ocymoides Splendens. Rosy purple. Pretty border or rock plant. ¼ oz., 25c	.15	.80
Saxifraga Aizoon. × Creamy white silver braided. 6 in.	.50	....
Cordifolia × Vivid rose. A fine rock plant, 24 in. 100 seeds, 35c; 1000 seeds, $2.50	...	....
Decipiens Grandiflora. × Masses of white flowers; charming. 18 in.	.35	....
Hybrida Purple Robe. × Carmine with purple reflex, 8 in.	.35	
Lingulata Leichtlini. Vivid rose, 28 in. 100 seeds, 35c; 1000 seeds, $2.50	...	....
Megasea Mixed. Large leathery leaves with short stemmed racemes of flowers. Spring	.75	
Perennial Species mixed	.35	....
Mossy Varieties mixed. 1/16 oz., $1.00	.50	....
Scabiosa Caucasica Alba. Pure white, 40 in. ¼ oz., 60c	.25	2.20
Perfecta. Lavender. Improved form, flowers very large and beautiful. ¼ oz., 60c	.25	2.20
House's New Hybrids. Flowers very large and of beautiful form, ranging in color from light azure-blue and lavender to deep blue and silvery white. ¼ oz., 80c	.35	2.80
Goldingensis. Large flowers, waved petals, small center, deep lavender. ¼ oz., 80c	.35	2.80
Vaughan's Special Mixture. All the above Caucasica types. ¼ oz., 80c	.35	2.80
Fischeri. Flower is 2½ inches across and is beautiful blue-purple color. Flowering growths are clothed with smaller, finely cut foliage up to the height of a foot or more, these ending in a long, naked flower stem which makes the plant a useful subject for cutting. 2½ ft. ¼ oz., 60c	.25	2.00
Columbaria Delicate Pink. Orchid pink. 2 ft. ¼ oz., 60c.	.25	2.00
Delicate Lavender, 2 ft. ¼ oz., 60c	.25	2.00
Two above are not hardy in middle western and northern states.		
Japonica. Clear blue flowers, 30 in.	.15	.50
Webbiana. Large fluffy flowers of pure true cream, splendid hardy variety always in bloom. Cuts well. Neat foliage, blooming June to November. ¼ oz., 90c	.35	3.20

RANUNCULUS Claremont Hybrids

	Trade pkt.	Oz.
Scutellaria × Coelestina. Dense bushy habit, abundance of light blue flowers. ⅛ oz., 80c	$0.25	....
Sedum × Acre (Golden Moss). A pretty subject for walls and rock gardens. Yellow. 3 in. ⅛ oz., 70c	.25	....
Aizoon. Yellow with brown. 5 in.	.50	....
Mixed. ¼ oz., 85c	.35	....
Sempervivum. × Perennial species. Mixed	.35	....
Senecio Clivorum Orange Queen. Stately border plant; loves moisture. July. 4 ft.	.25	....
Sidalcea Rose Queen. Splendid rose flowers. ¼ oz., 40c	.25	$1.40
Rosy Gem. Mallow rose, 18 in. ¼ oz., 40c	.25	1.40
New Hybrids. Mixed. ¼ oz., 50c	.25	1.80
Silene Alpestris. × Sheets of glistening white flowers from May to July. Prefers shade. 6 in.	.35	....
Asterias Grandiflora. Large globular crimson-scarlet heads. 18 in.	.35	....
Orientalis. × Bright red flowers in terminal umbels. 30 in.	.15	.50
Saxifraga. × Creamy white, tinged red, 10 in.	.25	....
Schafta. × Rosy purple, trailing habit, July. 8 in. ¼ oz., 50c	.25	1.80
Siberica. × Rose. 18 in.	.35	....
Solidago (Golden Rod). Canadensis. 5 ft.	.35	....
Stachys Lanata. Silver leaves, purple flowers, 24 in. ¼ oz., 30c	.15	1.00
Statice Latifolia. Small lavender-blue flowers in large panicles. 1 ft. ¼ oz., 40c	.25	1.40
Caspia. Tender lilac color, 30 in. ¼ oz., 60c	.25	2.20
Dumosa. Dense cushions of pure silver-grey flowers; an improved Tatarica. 30 in. ¼ oz., 50c	.25	1.60
Macrophylla Atro-coerulea. Dark blue. 2½ ft. ¼ oz., 75c	.25	2.60
Perezii. Free-flowering lavender species, 30 in. ¼ oz., 50c	.25	1.60
Tatarica (Incana). Small white flowers may be dried. 18 in.	.15	.60
Stokesia Cyanea (Stoke's Aster). Large blue flowers, dwarf habit, beautiful late bloomer. ¼ oz., 50c	.25	1.60
Cyanea Alba. Blush white variety. 16 in. ¼ oz., 40c	.25	1.40
Sweet William. See Dianthus Barbatus.		
Teucrium (Germander) Chamaedrys. Grey foliage, spreading habit, small rose colored flowers, 8 in.	.25	....
Thalictrum Aquilegifolium (Meadow Rue). Graceful foliage, mixed colors, 40 in. ¼ oz., 45c	.25	1.40
Aquilegifolium Purpureum. A fine variety with purple flowers. ¼ oz., 60c	.35	2.00
Adiantifolium. Flowers yellow, 18 in. ¼ oz., 45c	.25	1.40
Dipterocarpum. Lovely mauve flowers in large panicles, most charming for cutting. 4 to 5 ft. ¼ oz., 45c	.25	1.50
Album. White, new.	.25	....
Glaucum. Bronze-yellow, June, 4 ft. ¼ oz., 30c	.15	1.00
Thermopsis Caroliniana. Yellow pea-shaped flowers in long racemes. 3 ft. ¼ oz., 60c	.25	2.00
Thymus Serpyllum. × (Wild Thyme.) Creeping habit, hairy foliage, purple flowers, 2 in. ⅛ oz., 60c	.25	....
Serpyllum Coccineum. Bright red. ⅛ oz., 60c	.25	....

Rock Plants are followed by ×, and the heights given are of the plants when in bloom.

Seeds of Biennials and Hardy Perennials

	Trade pkt.	Oz
Tritoma Uvaria Grandiflora (Red-Hot Poker Plant or Torch Lily). 40 in. ¼ oz., 45c	$0.25	$1 60
Hybrida, Perpetual-Flowering. Mixed. 3 ft. ¼ oz., 50c	.25	1 40
Express. Early-flowering, yellow, bud red. 3 ft.	.20	....
Mirabilis. Yellow, blooms first year. 3 ft. ¼ oz., 50c	.25	1.80
Pfitzer's Hybrids Scarlet. ¼ oz., 75c	.25	....
Trollius (Globe Flower) Ledebouri. Late-flowering, large orange-yellow flowers. 2 ft. ¼ oz., $1.50	.50	....
Ledebouri Golden Queen. Large flowers, petals golden orange, yellow anthers. 3 to 4 ft. ¼ oz., $1.75	.50	6.00
Giant Devonshire. The flowers are 2 to 3 inches across of a glistening glowing orange. The plant is perfectly hardy. Grand for cutting and magnificent for border grouping of English origin. 1/32 oz., $1.50	.50	....
Europaeus. Pale yellow. 20 in. ¼ oz., 1.25	.35	4.00
Hybridus Orange Princess. Bright orange ¼ oz., $1.35	.50	5.00
Mixed. ¼ oz., 1.00	.35	3.60
☞Soak Trollius seed in hot water 30 minutes before sowing.		
Tunica× Saxifraga. Lilac-rose, May. 10 in.	.15	.80
Valeriana Alba white (Garden Heliotrope). 36 in.	.15	.60
Rubra (Coccinea). Purple rose. 36 in.	.15	.60
Mixed. White and red	.15	.60
Officinalis. Heads of rose-tinted white flowers. June-July; with strong heliotrope odor. 4 ft.	.35	....
Verbascum Miss Willmott. Large yellowish white flowers. 5 ft.	.20	1.00
Harkness Hybrids. Immense spikes of pure yellow, tall vigorous habit, splendid variety. 7 ft. ¼ oz., 40c	.15	1.20
Olympicum. Silvery foliage, golden yellow flowers. 6 ft. ¼ oz., 60c	.25	2.00
Phoeniceum Hybrids. Mixed. Graceful spikes in various shades including white, pink, salmon and violet. 2 ft.	.15	.60
Verbena Bonariensis. Upright growing, slender branched stems, numerous terminal umbels of rosy lavender flowers. ¼ oz., $1.25	.50	4.25
Canadensis. Of spreading habit, with large reddish lilac trusses of flowers, produced through entire summer. When it is in bloom, one would hardly believe that it could live over the winter, as its frail spreading habit resembles that of a soft annual. However, towards the end of the season, it produces at its base a new compact growth of a woodier texture which remains throughout the severest winter weather. ¼ oz., 50c	.25	1.60
Veronica Amethystina. × Long racemes of bright blue flowers. 1 ft. ¼ oz., 70c	.25	2.40
Incana (Candida). Ageratum-blue, silvery foliage. 12 in. ¼ oz., 85c	.35	3.00
Longifolia (Maritima). Compact clusters of blue flowers. 30 in. ¼ oz., 40c	.25	1.40
Hendersoni Nana. Dark blue, free flowering. 12 in. ¼ oz., $1.50	.35	....
Repens. × Dwarf branching, pale blue. 2 in. ¼ oz., $1.25	.35	....
Spicata. Various shades. 18 in. ¼ oz., 50c	.25	1.60
Rosea. Pure pink.	.50	....
Teucrium Prostrata. Mixed. 6 in.	.50	....
Royal Blue. Dwarf bushy habit, bright dark blue flowers. 1 ft.	.35	....
Perennial Species. Mixed. ¼ oz., 50c	.25	1.80

Viola

Cornuta. Admiration. Very large circular purple flowers. 8 in. ¼ oz., 50c	.25	1.80
Blue Beauty. Bright blue, early, free flowering. ⅛ oz., 80c	.35	....
Blue Perfection. Light blue, large flowered. 8 in. ¼ oz., 60c	.25	....
Chantreyland. A perfect Viola, producing masses of purest apricot flowers. ¼ oz., $1.20	.35	4.00
Golden Orange. Free flowering. ¼ oz., 70c	.25	2.40
G. Wermig. Rich violet-blue. 8 in. ¼ oz., $1.60	.50	6.00
White Wermig. 8 in. ¼ oz., 50c	.25	1.80
Ilona. Wine-red. ¼ oz., 50c	.25	1.80
Jersey Gem. Compact habit, deep violet-blue. 8 in. ¼ oz., $3.20; ⅛ oz., $1.80	.50	....

VIOLA **Cornuta**—Continued.

	Trade pkt.	Oz.
Lutea Splendens. Chrome yellow. 8 in. ¼ oz., 50c	$0.25	$1.80
Mauve Queen. Reddish violet, 8 in. ¼ oz., 50c	.25	1.80
Papilio. Blue and white, 6 in. ¼ oz., 60c	.25	2.00
Primrose Perfection. A good yellow. ¼ oz., 90c	.35	3.20
Puck. The 2 upper petals are clear purple-violet, the 3 lower, golden yellow. 6 in. ¼ oz., 85c	.25	3.00
Rosea, 6 in. varies. ¼ oz., 50c	.25	....
Spring Messenger. Bright rich purple. ¼ oz., 50c	.25	....
White Perfection. White. Large fld., 8 in. ¼ oz., 50c	.25	1.80
W. H. Woodgate. Violet-purple, large, round flowers on long stems, 9 in.	.50	....
Vaughan's Improved Scotch. Three and five blotched in splendid mixture. ¼ oz., 85c	.35	2.80
Mixed. Small Flowering Type. ¼ oz., 60c	.25	2.00
Hybrida Apricot. Beautiful rich apricot shades tinged orange towards center. ¼ oz., 85c	.35	3.00
Arkwright Ruby. Bright ruby crimson, with central markings; velvety; fragrant. ⅛ oz., 90c	.35	6.00
Black Prince. 8 in. ¼ oz., 60c	.25	2 00
Blue Butterfly. Mid-blue shading to white. Resembles Pansy Beaconsfield. ¼ oz., $1.00	.35	3.60
Primrose Dame. Sulphur yellow. 8 in. ¼ oz., 85c	.35	3 00
Vaughan's Special Mixture. The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, undoubtedly make these Violas a supreme mixture. ¼ oz., $1.20	.50	4 00
Baby Delight. Early flowering, blooming in 70 days from seed. Makes dwarf but compact bushy growth with a height of not more than 8 in. The flower is lovely light blue, with a pleasing "face," about one inch in diameter. ¼ oz., $1.20	.35	4.00
Tufted Pansies. Finest mixture of these long and free-blooming varieties, 9 in. ¼ oz., 50c	.25	1.80

Viola—Various Types

Bosniaca. Free-blooming, small deep purple flowers, 4 in. ¼ oz., 70c	.25	2.40
Calcarata. A long stemmed variety of grace and beauty. Makes dense wide cushions set above with flowers early and late. A royal indigo with radiate pencilings but there will also be purple, cream or rare pink lilac	.50	....
Florariense. Beautiful lavender. ⅛ oz., $1.50	.50	....
Cornuta King Henry. Flowers small but perfect in form and 100% true. A rich violet-purple with small yellow eye. Compact habit, forming a neat cushion of green and covered with flowers on short wiry stems. ⅛ oz., $1.00	.50	....
Gracilis Lord Nelson. Violet-purple, 6 in. ¼ oz., 90c	.35	....
Eisenach Jewel. Small-flowered, deep violet	.50	....
Johnny Jump Up. Little Pansy faces of purple, blue and yellow. 1/16 oz., $1.00	.50	....
Jooi. In full flower by early April, before its own leaves appear. It is then a cushion mound of pink lilac, hundreds of blossoms in a veritable color-turf of their own making. Usually reblooms in autumn. Sometimes called Jewel Violet	.50	....
Nigra (Bowles Black Pansy). Interesting and attractive little pansy, pretty small black flowers.	.50	....
Odorata The Czar. Blue. ¼ oz., $1.25	.30	4.00
Wallflower. Double Annual "Early Wonder." This remarkable Wallflower comes into bloom within 5 months from sowing. These must be grown in 4-inch flats; they do not like too much root room. 2 ft.		
Canary-Yellow (Gold Standard). ¼ oz., 75c	.25	....
Golden Yellow, flaked with brown.	.25	....
Dark Brown. ¼ oz., 75c	.25	....
Violet	.25	....
Double Annual Early Wonder, Mixed. ¼ oz., 50c	.25	1.80
Double Tall Branching, mixed. ¼ oz., $1.25	.35	4.00
Single Goliath. Early-flowering dark brown. 2 ft.	.15	.50
Mixed.	.10	.30
Parisian Forcing, mixed, 15 in.	.15	.60
Annual Blood-Red.	.10	.40
Yellow, 20 in.	.10	.40
Wistaria Sinensis. Blue.	.10	.30
Yucca Filamentosa (Adam's Needle).	.15	.50

Rock Plants are followed by ×, and the heights given are of the plants when in bloom.

Vaughan's Peonies

5 of a Kind at the 10 Rate—25 of a Kind at the 100 Rate

WE HAVE an exceptionally large stock of our own growing, **Strictly true to name,** all in strong divisions, with from 3 to 5 eyes each.

The figures preceding the varieties are the rating given to them by the American Peony Society.

Peonies in established plantings need to be fed each Spring. A top-dressing of Vaughan's Plant Ration (5-8-7) well worked in will do wonders, but it should be applied early.

WHITE AND LIGHT SORTS

		Each	10	100
8.8	**Alsace Lorraine.** Creamy white, center tinted Havana brown. Very beautiful form; late midseason...	$0.30	$2.00	$15.00
8.7	**Avalanche.** A magnificent flower which opens like a rose. Pure snow-white, with a few pencilings of carmine on the edge of the center petals. Delightfully fragrant; late midseason. A very good cut flower and cold storage variety.....	.25	1.75	15.00
9.0	**Baroness Schroeder.** Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby-pink, changing to creamy white. One of our best cut flower varieties and an excellent keeper in storage.....	.30	2.50	18.00
8.1	**Duchess de Nemours.** Superb, cup-shaped, sulphur-white flowers with a greenish reflex that lights up the entire flower. Early, free bloomer; fragrant. Good commercial variety.....	.20	1.50	12.00
9.3	**Festiva Maxima.** Very popular large white. Early.	.20	1.75	15.00
7.9	**Mad. de Verneville.** One of the most fragrant of all Peonies. Flowers are very full and double, pure white, with center delicately tinted blush. An extra free and reliable bloomer. Early.....	.20	1.50	12.00
9.4	**Mme. Jules Dessert.** White with delicate tints of flesh and straw. Strong growing, free flowering and a great prize winner; midseason.....	.40	3.50	25.00

LIGHT AND DARK PINK AND ROSE

7.6	**Edulis Superba.** Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.....	.20	1.50	12.00
7.9	**Georgiana Shaylor.** Pale rose-pink; midseason..	.40	3.00	25.00
9.1	**Lady A. Duff.** Enormous pale pink; midseason...	.30	2.00	18.00
9.2	**Mons. Jules Elie.** By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety.....	.30	2.50	20.00
8.7	**Reine Hortense (President Taft).** One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason. This variety and Sarah Bernhardt are two pink Peonies of highest quality for all purposes.....	.35	2.50	20.00
9.0	**Sarah Bernhardt.** One of the best pink Peonies in the world. Tall, vigorous grower and prolific bloomer. The color is a dark rose-pink, edged lighter pink; center flecked crimson. Fine cut flower and storage variety; late midseason.....	.35	2.50	20.00

Our complete collection of Peonies, including new varieties, will be listed with prices in our Fall Book For Florists, ready about September 1st.

RED AND CRIMSON

		Each	10	100
8.7	**Auguste Dessert.** Velvety crimson-carmine with silvery reflex.....	$0.40	$3.50	30.00
8.4	**Felix Crousse.** Large globular blooms of rich, even, brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety.....	.20	1.80	15.00
8.2	**Grover Cleveland.** Rich dark crimson; late.....	.25	2.00	15.00
8.8	**Karl Rosefield.** Very large flower, globular, semi-rose type. Extremely vigorous grower; tall, early...	.25	2.00	15.00
8.7	**Mary Brand.** Vivid crimson of immense size; full double; a free-bloomer and a strong grower; delightfull fragrance; midseason.....	.40	3.00	25.00
8.6	**Officinalis Rubra Plena.** Old-fashioned early red usually in bloom by Decoration Day.....	.40	3.50	25.00
9.2	**Philippe Rivoire.** Brilliant crimson. Late.....	1.00	9.00	.....
8.8	**Richard Carvel.** Large globular flowers of uniform bright crimson. Tall annual and profuse bloomer. Delicate fragrance. Excellent for cut-flowers; usually in bloom for Decoration Day.....	.35	2.50	20.00

JAPANESE-FLOWERED PEONIES

9.2	**Ama-No-Sode.** Bright-rose, shading lighter toward the edge of the petals; similar to Tamatbako.....	1.00	9.00	.....
8.2	**Gold Mine.** Petals deep rose; deep gold center...	.40	3.00	20.00
8.6	**Mikado.** Guards velvety crimson, forming a cup enclosing a filigree cushion of crimson petaloids; edged and tipped gold.....	.40	3.50	30.00

SINGLE PEONIES

Unusually fine for Landscape Work

	Fusyama. Soft-colored flesh-pink.....	.25	2.00	18.00
8.4	**La Fiancee.** Pure white.....	.40	3.50	30.00
7.3	**Veloutine.** Large single cup-shaped flower, like a tulip; Tyrian purple with velvety reflex.....	.30	2.00	15.00

UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

	Each	10	100
Double Pink.....	$0.15	$1.00	$ 8.00
Double White.....	.15	1.20	9.00
Double Red.....	.20	1.25	10.00
Double Mixed.....	.15	1.00	6.00

FORCING ROSES

POLYANTHA AND BABY ROSES

PRICES of the following. XXX Forcing Grade. Per 10, ea. 35c; per 100, ea. 30c; per 250, ea. 28c; per 500, ea. 26c; per 1000, ea. 25c.

Brilliant Echo. Improved Echo, like Roserie in color but of more uniform rosy pink.

Crimson Baby Rambler. Still a favorite. Light crimson flowers in clusters of 30 to 40.

Gloria Mundi. New. Double, lasting flowers of glowing orange-scarlet, borne in large clusters.

Golden Salmon. Bright orange-salmon flowers in huge clusters. Blooms continuously.

Ideal. Decidedly an outstanding variety, flowers brilliant garnet-red, keeping their color well.

Mrs. R. M. Finch. Double soft rosy-pink flowers, 2 inches in diameter. A very fine color.

Triomphe Orleanais. Brilliant cherry-red, lasting in color; blooms profusely in trusses. Considered the finest of the light red Polyanthas.

VAUGHAN'S IRISES

We have a large collection of Hardy German and Japanese Irises, including the best of the newer varieties. Write for price list which will be ready about July first.

SPHAGNUM MOSS

Bright, Clean, New Growth, Free from Brush or Grass

THE BEST GRADE OF SPHAGNUM

is being worked out in Wisconsin districts. Choice dependable quality is worth more money than last year. We quote L. C. L. lots as follows:

For carloads write us.

BURLAPPED BALES. (45x14x16 inches) F. O. B. Wisconsin Points. 10-bale lots, per bale, 75c; 25-bale lots, per bale, 65c. Write for price on moss in large quantities F.O.B. Woods.

BURLAPPED BALES. (Size as above) F. O. B. CHICAGO. Single bale, $1.00; 5 bales, $4.50; 25 bales, $21.25. Write for price on larger quantities New York Prices, 35 cents per bale higher. Cartage free.

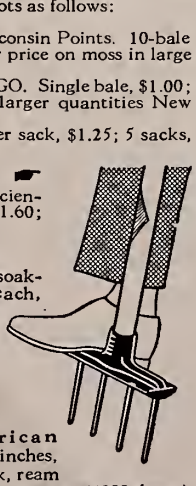
GREEN SHEET MOSS. For windows, baskets, etc. Per sack, $1.25; 5 sacks, $6.00.

SOD SPIKER

Easy to handle, is the scientific lawn aerator, ea., $1.60; 3 for $4.50.

SOIL SOAKER

Irrigation hose for deep soaking. No. 0—12 ft., each, $1.00; six for $5.00; No. 1—18 ft., each, $1.35; six for $7.00; No. 2—30 ft., each, $2.10; six for $11.00. No. 3—50 ft., each, $3.25; six for $18.00.



TISSUE, American Beauty. 24x36 inches, F.O.B. New York, ream (480 sheets), $1.40; 10 reams (4800 sheets), $11.85. F.O.B. Chicago, ream (480 sheets), $1.15; 10 reams (4,800 sheets), $10.25.

SYRINGES, BRASS. No. 11. Length 18 inches, 1 stream, 2 sprays, $6.25.

No. "0." Length 12½ in; diameter 15/16-inch. Ea., $2.50.

No. 5. Best for general green house use, $7.00.

Hormones and Vitamins B-1

ZOOM B-1. The only liquid vitamin B-1 plant growth stimulant with added chemicals to keep its strength indefinitely. 2-oz. dropper top bottle, enough to make 250 gallons of solution. Price $1.00. Display carton of 12 bottles, $7.33.

HORMODIN POWDER. Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., $6.00.

No. 1 Powder 1¾-oz. tin, each, 50c; lb., $3.00. **No. 2 Powder 1¾-oz. tin, each, 75c; lb., $4.50.** **No. 3 Powder 1-oz. tin, each, $1.00; lb., $4.50.**

ROOTONE
PATENTS PENDING

A hormone powder easy to use; anyone can apply safely; no skill is needed to apply Rootone—no measurements, no vials, no elaborate charts to follow—just dip and plant. Price, ¼-oz. pkt., 25c; doz, $2.00; 2-oz. jar, enough to treat 3,000 cuttings, $1.00; 1-lb. jar will treat up to 30,000 cuttings, $5.00. **Write for leaflet all postpaid.**

TRANSPLANTONE. For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth, 1 oz., 50c; 3 oz., 1.00; 1 lb., $4.00.

VITAMIN B-1. Pure crystalline powder produces amazing reinvigorated root growth. Price, $1.00 per bottle, enough to make 2000 gals. of solution. Price, per display card of 12 bottles, $7.80.

Rubber Hose, Sprinklers and Moss

VAUGHAN'S FLORIST GUARANTEED HOSE

These prices are subject to change without notice.

A brand of hose manufactured especially for greenhouse use. Molded hose of highest quality; thick, sturdy hose wall and two braids of heavy cord, make it suitable for use by florists. Comes in bales of 500 feet; order exact number of feet you require. We can cut in any length.

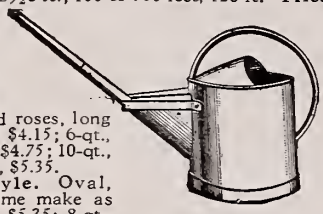
Guarantee—We guarantee Florist Hose against all defects in quality or workmanship for the period of one year. This guarantee does not cover improper handling or abuse. We are headquarters and can meet competition.

25 to 49 feet...per ft. 18½c 50 to 99 feet.....per ft. 18c 100 to 400 feet..per ft. 17½c In bales of 500 ft. per ft. 17c.

CORRUGATED HOSE. High grade molded hose suitable for use by florists and contractors on golf greens, in cemeteries, public parks and large estates. Price, 50 to 100 feet, 12½c ft.; 100 to 500 feet, 12c ft. **Price ¾ or ½-inch Couplings, 20c per set; sample mailed free if desired.**

WATERING POTS. American. Heavy galvanized round can, 2 copper-faced roses, long spout. 4-qt., $4.15; 6-qt., $4.50; 8-qt., $4.75; 10-qt., $5.00; 12-qt., $5.35.

French Style. Oval, otherwise same make as above. 6-qt., $5.35; 8-qt., $5.65; 10-qt., $5.95; 12-qt., $6.25.

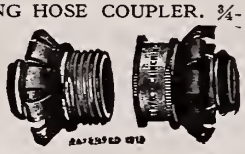


French Style

HOSE NOZZLES. "Chicago"—Covers more space than any other hand-watering device. Made entirely of aluminum, except removable perforated plate of heavy sheet brass. Two plates, each 3¾ inches in diameter, about 100 very fine holes in each, giving both fine and coarse effective sprays. Florists like it. Price, $3.00.

PERFECT CLINCHING HOSE COUPLER. ¾-inch. Per pair, 30c; pr doz., $2.60.

PERFECT CLINCHING HOSE MENDER. Each 12c; doz., $1.00.



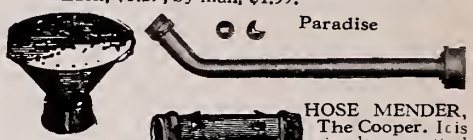
HOSE COUPLING, Ever-Tight. No more waste of time, just press the lever, instant tight connection a great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 45c; doz., $4.80.

HOSE WASHERS. ¾-inch. Doz., 5c; gross, 50c.

"Gem"—Throwing all variations, from fine spray to stream. Each, 65c; doz., $6.60.

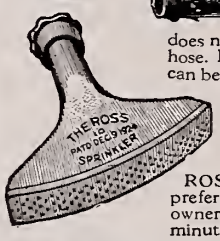
Paradise Syringing Nozzle. 10-inch, each, $2.50; 18-inch, each, $3.00· extra tips, each, 35c.

Boston Rose Spray Nozzle. Brass. ¾-inch hose. State whether coarse or fine spray is wanted Each, $1.25; by mail, $1.35.



Paradise

HOSE MENDER, The Cooper. It is simple, practical and effective. It does not reduce the diameter of the hose. It will not rust or wear out. It can be used as many times as desired. You need no mechanical skill to adjust them. Price: For ¼- or ¾-inch hose, each, 10c; 4 for 35c; doz 80c 1-in. hose, each, 15c; doz., $1.10.



ROSS No. 10 SPRINKLER. Is preferred by growers and home owners capacity seven gallons per minute; Each, 75c; doz., $7 50

ROSS SQUARE SPRAY HEADS It sprinkles a square making it easy for you to install your own underground system at a very low cost. Threaded for ½-inch pipe, capacity 3¼ gals. per minute. Has a slotted adjusting screw to control the area of the spray. **No. 54A. Price,** per doz., $5.00.

Vaughan's High-Grade Fertilizers

The highest grade only. Guaranteed analysis. Prices net cash and subject to market fluctuations.

Prices for Florists F. O. B. New York.

SUPERPHOSPHATE. 20% bone phosphate in the most available form. Used on grain crops and others requiring an excessive amount of phosphoric acid. **Price, 25 lbs., 80c; 50 lbs., $1.10; 100 lbs., $2.00; 500 lbs., $8.00; 1,000 lbs., $14.00; 2,000 lbs., $26.00.**

BONE AND BLOOD. For garden crops use 500 lbs. per acre. **Price, 25 lbs., $1.15; 50 lbs., $1.85; 100 lbs., $3.25; 500 lbs., $16.00; 1,000 lbs., $30.00; 2,000 lbs., $58.00.**

BONE, BLOOD AND POTASH (Analysis) 5-8-7

Excellent for mixing into potting soil or as a top dressing. Use about 20 pounds to a cubic yard of soil, and for the dressing scatter it about as thick as lawn grass is sown, after loosening the surface of the soil. It is excellent for Carnations if applied by the end of October or in November. It can also be applied as a liquid manure by using an 8-inch potful to a barrel of water. **25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.25; 1,000 lbs., $23.00; 2,000 lbs., $45.00.**

BONE MEAL—VAUGHAN'S ROSE GROWER

This is a special brand we have put up for our trade. It is ground fine, hence acts quickly. It is made from bone accumulated in large slaughter houses. Analysis: Nitrogen 3.7 per cent; total phosphoric acid, 20 per cent. **Price, 5 lbs., 50c; 10 lbs., 95c; 25 lbs., $1.25; 50 lbs., $2.00; 100 lbs., $3.25; 500 lbs., $15.00; 1,000 lbs., $25.00; 2,000 lbs., $45.00.**

REGULAR BONE MEAL. **25 lbs., $1.10; 50 lbs., $1.80; 100 lbs., $2.85; 500 lbs., $13.00. 1,000 lbs., $23.00; 2,000 lbs., $40.00.**

RAW BONE. Coarse This material appeals to every florist who has use for it. **Price, 100 lbs., $3.25; 1000 lbs., $28.00; ton, $50.00.**

DRIED BLOOD For top-dressing, for mixing with the soil, and for applying in liquid form, it is one of the best and safest nitrogenous fertilizers. It is splendid for roses, carnations, chrysanthemums and all kinds of pot plants. **Price, 25 lbs., $1.75; 50 lbs., $2.50; 100 lbs., $4.45; 500 lbs., $22.00; 1,000 lbs., $42.50; ton, $83.00.**

FLORANID UREA A highly concentrated organic fertilizer containing 46 per cent available nitrogen, clean, odorless, stainless, for flowers, vegetables, berries, shrubs, lawns, ornamental and fruit trees; 92 times stronger than manure. **Price, lb. can, 25c; 5 lbs., 90c; 10 lbs., $1.50; 25 lbs., $2.75; 50 lbs. $4.00.**

FAIRWAY GRASS FOOD. Compounded for feeding grasses and for no other purpose; recommended by leading turf specialists for use on lawns, golf courses and parkways. **Price, 25 lbs., $1.50; 50 lbs., $2.50; 100 lbs., $4.00; per ton delivered, $65.00.**

Write for quantity prices.

LOMA. A well balanced plant food for all plants. Price, 1-lb. pkgs., 24 in case, per case, $1.44; 5-lb. carton, 12 in a case, per case, $3.60; 10-lb. bags, packed, 10 in a jute sack, per sack, $5.70; 25-lb. bags, 4 in a sack, per sack, $4.20; 50-lb. bags, 2 bags to a sack, per sack, $3.54; 100-lb. bags, $2.90 (300 lbs. or over Freight Prepaid). Prices slightly higher in New England States.

HARDWOOD ASHES. (Imported). A fall lawn dressing. Insures a thrifty growth and dark color. **Price, 25 lbs., 90c; 50 lbs., $1.65; 100 lbs., $2.75; 500 lbs., $13.00; 1,000 lbs., $22.00; 2,000 lbs., $42.00.**

HYPONEX. Contains Vitamin B1. 3-oz. size packed 36 to carton, retails at 40c each. **Price, per carton, $9.60;** 1-lb. size, retails at $1.00, packed 12 to carton. **Price per carton $8.00.**

HORN DUST. Contains approximately 18% Ammonia, ground fine, acts quicker than Horn Shavings. **25 lbs., $2.00; 50 lbs., $3.25; 100 lbs., $5.00.**

NITRATE OF SODA or Chili Saltpeter Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must furnish the plant with Nitrogen. **Price (subject to market changes), 25 lbs., $1.40; 50 lbs., $2.10; 100 lbs., $3.00; 1,000 lbs., $28.00. Write for prices on larger quantities.**

SHEEP MANURE. This is a pure, natural Manure, and its effect is immediate; it is excellent for mixing with the soil for greenhouse plants—one part manure and six parts soil. **Price, 25 lbs., 90c; 50 lbs., $1.65; 100 lbs., $2.35; 500 lbs., $11.50; 1,000 lbs., $21.00; 2,000 lbs., $40.00.**

Kem TRADE MARK • PATENTS PENDING

Growers report gratifying results with seedlings, cuttings and growing plants on benches and in fields. Damping off reduced 75% by starting seeds in sand; transplantings made in half the time. By promoting strong root growth, Kem causes grass to grow quicker and stronger. Dilutes up to 89 parts water to 1 part Kem. **Price, 25c size, 24 to case, $4.00 per case; 60c size, 12 to case, $4.80 per case; $1.25 size, 4 to case, $4.50 per case; 50-gal. barrel, $20.00.**

SHREDDED CATTLE MANURE. An efficient, high-grade natural fertilizer for all general purposes, manufactured by special process, from selected fresh cleanings from cattle pens. **Price, 100 lbs., $2.60; 500 lbs., $12.50; 1,000 lbs., $23.50; 2,000 lbs., $44.00.**

CLAY'S FERTILIZER. It should be used as top dressing. **Price, 7 lbs., $1.25; 14 lbs., $2.00; 28 lbs., $2.85; 56 lbs., $5.00; 112 lbs., $9.25.**

ELECTRA 4-9-3. A great favorite with private estate gardeners and commercial growers. High in organics. **25 lbs., $2.50; 50 lbs., $4.00; 100 lbs., $6.75.**

NITROPHOSKA. 15 percent nitrogen, 30 percent phosphoric acid and 15 percent potash. **Price, 1-lb. can, 25c; 5 lbs., 90c; 10 lbs., $1.50; 25 lbs., $2.75; 50 lbs., $4.50; 100 lbs., $6.00;** ton, **$110.00.**

VIGORO. It contains all elements plants need for healthy growth, because it is a complete plant diet. A good seller. **Price, 100-lb. bag, $2.75; 50-lb. bag, $1.70; 25-lb. bag, $1.00; 10-lb. pkg., 6 to a case, $3.36; 5-lb. pkg., 14 to a case, $4.06; 1-lb. pkg., 32 to a case, $1.92.**

IMPORTANT. The prices on this page are based on present prices of fertilizers and are subject to change as market fluctuates.

We are not responsible for loss of weight, due to evaporation, of imported fertilizers.

Wire, Stakes and Supplies

PLANT STAKES—A FULL LINE

Japanese Bamboo Stakes, Plain and Green Painted.

	F.O.B. Chicago Per Bale of 2000		F.O.B. New York	
Green.	Per 100	Per 1000	Per 100	Per 1000
1½ feet...	$0.45	$2.25	$3.00	$0.45	$1.95
2 feet...	.65	2.75	4.00	.50	2.45
2½ feet...	.75	3.25	5.00	.65	2.95
3 feet...	.95	3.65	6.00	.80	3.45
3½ feet...	1.10	4.75	7.00	.95	4.25
4 feet...	1.15	5.60	8.50	1.10	5.00
Natural.					
6 feet...	1.25	8.50	....	1.20	7.95

Write for price in bale lots.

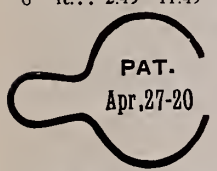
Pipe Stems, 4 to 6 ft. long, weight, per 1,000, 54 lbs. F.O.B. Chicago, 100 for 95c; 500, $3.25; 1,000, $6.00. **Write for price on Green Painted light and heavy wood stakes.**

Heavy Chinese Tonkin Stakes, Natural Colors. Heavy weight bamboo. Entire stake same weight, do not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen. Last a lifetime.

Length	Diameter	F.O.B. New York Per 100	F.O.B. Chicago Per 100
4 ft.	½ to ⅝ inch.....	$2.90	$3.25
4 ft.	⅝ to ¾ inch.....	3.65	4.35
5 ft.	⅝ to ¾ inch.....	3.95	4.50
6 ft.	⅝ to ¾ inch.....	4 65	4.95
8 ft.	⅝ to ¾ inch.....	5.45	6.45

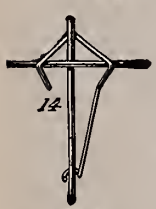
Galvanized Steel Wire Stakes. Far superior to wooden stakes and practically indestructible. We supply largest buyers. Price subject to change without notice. We can also supply 12-gauge stakes, write us for price on quantities, delivered to your nearest freight depot.

No. of Gauge—	No. 9 Wire			No. 8 Wire		
	Per 100	Per 500	Per 1000	Per 100	Per 500	Per 1000
3 ft...	$1.45	$ 6.50	$11.50	$1.75	$ 8.75	$13.40
4 ft...	1.70	7.75	13.90	2.10	9.25	16.50
5 ft...	2.10	9.95	18.00	2.50	11.00	19.75
6 ft...	2.45	11.45	21.50	3.15	13.25	22.90



PLANT TIES, Lighting Wire. Per box of 1000, $2.00; 5 or more boxes, $1.80 per box. Shipping weight per box, 2 lbs.

CLIP, Blake's New Loop Lever. For roses, 'mums, etc., up-to-the-minute stake holders; holds stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price, $2.00 per 1,000. 5,000 for $9.50. Samples mailed free.



STAKE FASTENERS. Everlasting, packed 500 to a box, per box, $1.25; 10 boxes or more, $1.10 each.

TWIST-EMS

New handy plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they cannot come unfastened. Tape protects stem against injury. Price: 4-inch, per 1000, 75c; 5000 lots at 60c per 1000; 25,000 lots 58c per 1000. 8-inch, per 1000, $1.10; 5000 lots, $1.05 per 1000; 25,000 lots $1.00 per 1000.

Retail pkg. consisting of 12 pkgs. of 4-inch and 12 pkgs. of 8-inch ties in attractive display carton. Price $4.00; retails for $6.00.

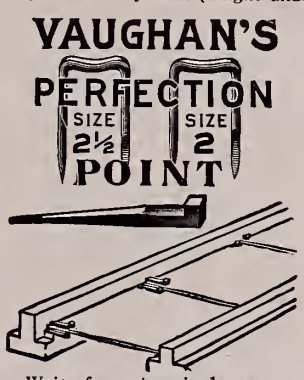
MASTICA, For Glazing Greenhouses

The use of "Mastica" avoids the necessity of repeatedly reglazing the houses, saving much time and expense. Broken glass can be easily removed and replaced by new without the breakage of other glass, which usually occurs with hard putty. One gallon will cover about 290 running feet (one side). Price, per gal., $2.45; 5 gals., $11.75; 10 gals., $23.00.

VAUGHAN'S GREENHOUSE BULBING CEMENT. One gallon to 300 lineal feet. Apply with Mastica Machine or Bulber. 60, 40 and 20 gallon drums, per gal., $1.00; 10 and 5 gal. drums, per gal., $1.30; 1-gal. can, $1.50. Glazing gun gratis with 60 or 40 gal. drum.

GARLANITE. The original white glazing compound. Price, 40 and 60 gals., $2.30 per gal.; kegs, 10 and 20 gals., $2.35 per gal.; 5 gal. cans, $2.60 gal.; 1 gal. cans $2.65 each; 10 gals. or more prepaid.

PUTTY BULB, Scollay's. A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, $1.35; 3 for $3.75; doz., $13.00; in three doz. lots, doz., $12.50; in six doz. lots, doz., $12.00. If by mail (weight under 1 lb.).



GLAZING POINTS, Vaughan's Perfection. No rights or lefts.

No. 2. For large single thick glass. No. 2½. Double thick, for greenhouses and skylights.

No. 2. **Price,** per lb. (about 900), 55c; in lots of 5 lbs., 50c per lb. No. 2½, per lb. (about 800), 55c; 5 lbs. at 50c per lb.

Write for prices in larger quantities.

SIEBERT'S IMPROVED. Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out when repairing greenhouse roof. Two sizes, ⅝ and ⅞-inch long, put up in 1 lb. packages. Over 1,500 points in 1-lb. pkg. of ⅝; over 1,000 points in 1-lb. pkg. of ⅞. Price, per lb., 50c; 5 lbs. $2.35; 20 lbs., $8.50.

FLOWER TUBS. "Richmond Style." These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Florists will find them ready sellers where a substantial yet attractive tub of moderate price is required. Stamped steel handles are also supplied at an additional charge as below. Prices. F. O. B. Chicago or New York. Prices subject to change without notice.

	Inside Top Diameter	Depth Inside	Price, Each	Four for
No. 1	7 in.	6 in.	$0.60	$ 2.20
No. 3	8 in.	8 in.	.70	2.60
No. 5	10 in.	9 in.	.85	3.20
No. 7	12 in.	11 in.	1.10	4.20
No. 9	14 in.	13 in.	1.65	6.20
No. 11	16 in.	15 in.	1.85	7.00
No. 13	18 in.	17 in.	2.75	10.60
No. 14	19 in.	18 in.	3.25	12.40

If handles are required, add 35c per tub.

Suction Flower Holders. Made of metal, round shape, with square wire mesh dome, finished in green bronze with rubber vacuum cup in bottom which prevents tilting over when long-stem flowers are used. No florist should be without these wonderful sellers.

SUCTION FLOWER HOLDERS.

Diameter	Per Doz.
3-inch.....	$3.00
4-inch.....	4.00
5-inch.....	5.00

GALVANIZED VASES

A Good Variety of Sizes in These Flower Vases. And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.

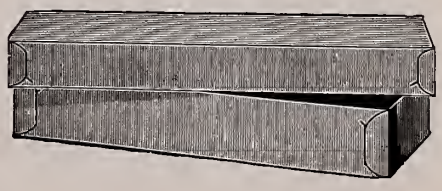
Style	Diameter Top	Bottom	Height	Price, Per Doz.
253	4¾ in.	3½ in.	10 in.	$4.40
255	6½ in.	5¼ in.	12 in.	6.00
257	6½ in.	5¼ in.	15 in.	6.60
57	5 in.	3½ in.	5 in.	3.30
59	6½ in.	5½ in.	7 in.	5.00
65	7½ in.	6½ in.	8 in.	5.80
66	9 in.	7½ in.	10 in.	6.90
68	9 in.	7½ in.	12½ in.	8.40
69	9 in.	7½ in.	18 in.	10.50
70	9 in.	7½ in.	24 in.	11.60

WIRE. Bright Annealed.
(Prices subject to change.)

Per 12 lbs.		Per 12 lbs.	
No. 18.....	$1.30	No. 26.....	$2.00
No. 20.....	1.50	No. 28.....	2.35
No. 22.....	1.60	No. 36.....	3.95
No. 24.....	1.85		

FLORISTS' CUT WIRE.
Clean, extra soft white wire, cut in 12 or 18-inch lengths, 12 lbs. to box.

No.	18	20	21	22	24	26
Price...	$1.35	$1.45	$1.60	$1.70	$2.40	$2.95



CUT-FLOWER BOXES

Printing any single color. Per 1,000, $2.75.
Printing gold or silver. Per 1,000, $4.00.
When ordering printed boxes, allow a week or ten days extra for delivery.

VAUGHAN'S "GREEN" GRADE. Fine, green-lined, moisture-proof board. Very popular.

Shallow Lid. Size in inches	Per 25	Weight Per 100	Per 100
18 x 5x3.....	$1.40	30 lbs.	$4.15
3 x21x5.....	1.50	40 lbs.	4.35
3½x24x5.....	1.75	50 lbs.	5.35
3½x30x5.....	2.00	65 lbs.	6.00
5 x24x8.....	2.75	70 lbs.	8.25
5 x28x8.....	2.90	90 lbs.	8.65
5 x36x8.....	3.65	125 lbs.	11.45
5 x42x8.....	4.65	165 lbs.	15.65

FLORAL DESIGN BOXES. Mist gray. Full telescope.

		Per 25	Per 100
No. 25	7x30x12.....	$5.35	$18.95
No. 26	8x36x14.....	7.75	25 95
No. 27	8x20x20.....	6.50	23.25
No. 28	8x24x24.....	8.45	31.00

Packed 25 complete per bundle.

CORSAGE BOXES. Mist Gray.

100		100	
10x6x5½, 30 lbs.	$4.45	12x8x5½, 45 lbs.	$5.65

Write for Special Discounts on quantity orders.

ELECTRO STATIC LAMP

The Light that Kills (Ignis Mortis)

Rid your home, garden and greenhouse of insect pests by installing one or more Electro Static lamps, which will exterminate by electrocution of all insects attracted to it by the light at night and bait in daytime. Operating cost a mere trifle. Harmless to domestic animals. Price, $12.75.

Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

ANTROL ANT POWDER. Kills ants, roaches, silverfish and other pests. Packed in handy shaker twist-top can. Each, 15c; doz., $1.20; carton of 24 $2.40.

ANT EXTERMINATOR. Non-poisonous powder which, if scattered about their haunts or runs, will kill or drive away ants from lawns, etc. (We do not send this outside of Illinois and New York.) Per box, 40c; smaller size, 25c; by mail, 5c extra.

APHINE. ½ pt., 40c; pt., 75c; 1 qt., $1.10; 1 gal., $3.00.

ARSENATE OF LEAD. (Dry). For dusting and spraying. 1 lb., 30c; doz., $2.82; case of 24, $4.20; 4 lb. bag, 75c; case of 48 lbs., $6.50; 100 lbs., $12.50.

BLACK ARROW DUST. A non-poisonous pyrethrum dust, effective against many insects. Price, 1 lb., 80c; Doz., $6.40; 10 lbs., $4.00; 25 lbs., $8.95; 50 lbs., $16.75; 100 lbs., $32.00.

BORDEAUX MIXTURE. (Dry.) The best fungicide for curing and preventing black rot, mildew, blight, leaf curl, scab or other fungoid diseases on fruits and plants. 1 lb. will make 5 gallons liquid. Lb., 30c; doz., $2.60; 4 lbs., 70c; case of 48 lbs., $7.00.

CALO-GREEN. For control of neck rot or scab on gladiolus. Write for price.

CARBON DISULPHIDE. For ants and cut worms. 1 lb., 50c; ¼ lb., 25c. Doz., $2.00.

CALCIUM, ARSENATE. (Dry.) Lb., 30c; 4 lbs., 70c.

COPPER SULPHATE. Crystals. 10 lbs., $1.50; 25 lbs., $3.50; 100 lbs., $12.50.

CUPROCIDE 54. Fungicide plant spray. Price per 3 lbs., bag, $1.15; case 16 packages, $15.36.

CUPROCIDE RED COPPER OXIDE. Use for dusting seeds to insure germination and prevent damping off. May be used as a spray for mildew. 4 oz., 35c; 1 lb., 90c; 5 lbs., $3.75; 20 lbs., $12.50.

CYANOGAS "A" GRADE. For moles, rats, gophers, and other ground rodents. (By express only.) ½ lb., doz., $3.60; 1 lb., doz., $6.00; 5 lbs., each, $3.00. 4-oz. tins for ants, doz., $2.40.

CYANOGAS CALCIUM CYANIDE "G." Greenhouse fumigant. Aphis, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. (By express only.) 5 lbs., $3.00; 25 lbs., $10.00; 100 lbs., $25.00. Write for leaflet.

DERRISOL. Is an odorless non-poisonous liquid, which will control sucking insects like aphis, thrips, leaf hoppers and red spiders, also controls currant worms and other leaf-eating larvae. Oz., 35c; doz., $2.70; 8 oz., $1.20; 2 lbs., $3.00; 10 lbs., $12.00.

DOGZOFF. Keep dogs and other animals away from trees, shrubs, evergreens, etc. Bottle, 60c; doz., $4.80; gross, $46.08.

DRY LIME SULPHUR. For dormant spray use 12 to 15 lbs. to each 50 gals. of water. For summer spray, 3 to 4 lbs. to each 50 gals. of water. Lb., 35c; doz., $3.00; 5 lbs., $1.50; 25 lbs., $4.50; 100 lbs., $11.50.

FISH-OIL SOAP. Standard wash for trees and plants where insects and eggs affect the bark. Lb., 30c; doz., $2.50; 5 lbs., 95c; 10 lbs., $1.85.

FLOWERS OF SULPHUR. Dusting grade. Lb., 15c; 10 lbs., $1.00; 50 lbs., $2.45; 100 lbs., $3.85.

FORMACIDE FORMALDEHYDE DUST. Control "Damping off" of flower and vegetable seedlings. Price, 1 lb., 75c; 5 lbs., $2.00; 25 lbs., $5.50; 50 lbs., $9.00.

FUME TOBAC. 25 lb., drum, $5.00; 50 lb., drum, $8.00; 100 lb., drum, $15.00.

FUNGINE. New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pint, 60c; 1 qt., $1.00; gal., $3.00.

GRAPE AND ROSE DUST. Excellent for the prevention and destruction of mildew on plants. 1 lb., 35c; 5 lbs., $1.25; 10 lbs., $2.25; 25 lbs., $4.50.

GRASSELI S. S. 3 COMBINED SPREADER AND STICKER. Designed especially for use with agricultural sprays. Price, pt., 75c; gal., $4.75.

HELLEBORE POWDERED, White. Less poisonous than Paris Green and safer to use when fruit and vegetables are nearly ripe. Per ¼ lb., 20c; ½ lb., 35c; lb., 60c; 5 lbs., $2.25; 10 lbs., $4.00.

HITOX. Effective double active insecticide. Pint, $1.75; qt., $3.00; gal., $9.00; 5 gals., $40.00.

LEMON OIL. Destroys mealy bug, scale, red spider. ½ pt., 30c; pt., 50c; qt., 75c; ½ gal., $1.50; gal., $2.50; 5 gals., $10.00.

LETHANE-440. A very effective insecticide for controlling red spider and mealy bug. Qt., $2.75; gal., $7.00; 5 gals., $30.00; 15 gals., $82.50.

LETHANE SPREADER. Gal., $1.80; 5 gal. can, $8.50.

LORO. A new contact insecticide for controlling aphids, thrips, red spiders, etc. Pint, $2.00; gal., $10.50; 5 gals. $45.00.

McCONNON 114Y SPRAY. Qt., $2.50; gal., $8.50; 5 gals., $37.50; 10 gals., $70.00.

NAPTHALINE FLAKES. 10 lbs., $1.35; 25 lbs., $3.25.

NAPTOCIDE. New plant and bulb fumigant; effective against thrips, wood-lice, sow bugs, wire worms, etc. 5 lbs., $1.35; 25 lbs., $4.35; 50 lbs., $7.25; 100 lbs., $13.75.

"NICO-FUME." A Tobacco Paper for Fumigating. Strips of paper strongly saturated with Nicotine. Use 4 to 6 sheets for ordinary house 100 ft. long by 20 ft. wide. Price, 24 sheets, $1.25; 144 sheets, $4.50; 288 sheets, $8.00.

NICO FUME HOLDER. For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Each, 85c.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent nicotine. 1 lb., $2.25; 4 lbs. $5.75; 8 lbs., $10.00; 40 lbs., $40.00.

NICO-ROTE. A combination of Nicotine and Rotenone. Kills by contact and fumes. Qt., $4.00; gal., $12.00.

NICOTINE. Fumigating powder. 5 lb. can, $3.35; 10 lb. cans, $5.85.

Items You Can Sell

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale.

Items below ordered in less than quantity quoted will be billed at a higher rate.

ACME Garden Guard. 1% Rotenone dust. 1 lb. sifter corton, doz., $2.58; case of 24, $5.04. Retails at 35c a pkg.

ANTROL ANT TRAPS. Kill both sweet and grease eating ants. Packed 12 in a display carton. retail at 10c each; carton of 12 traps, 80c.

ANTROL READY FILLED SETS Consisting of 4 patented glass feeders. Per doz. sets, $3.20. Retails at 40c set. Packed in a strong display carton.

ANTROL SETS for exterminating ants in lawn, garden, and flower beds. Containing 4 jars and 4 oz. bottle antrol syrup. Per doz. sets, $6.00. Retails at 75c set.

APHIS SPRAY. A combination of Black Leaf 40 and Fish Oil Soap. Per doz. 3-oz. tubes, $2.70. Retails at 35c per tube.

BLACK LEAF 40. Oz. bottles, doz., $2.67; carton of 24, $5.30; 5-oz. bottles, doz., $8.00; 1 lb., $2.00 ea.; 2 lbs., $3.00 ea.; 5 lbs., $5.75 ea.; 10 lbs., $9.75 ea.

BUGGUN ROTENONE Dust in Blower type package. Doz., $2.80. Retails at 35c.

DAWG-GONE. Protects evergreens from dogs. Per doz. tubes, $2.00. Retails for $3.00.

EVERGREEN SPRAY. A non-poisonous contact insecticide. Oz. bottle, 35c; per doz., $2.70; per carton 24 bottles, $5.40; 6-oz. bottle, 85c; doz., $8.00; gal., $9.90.

MULTICIDE. Replaces New Evergreen. Killing power multiplied kills more insects, made especially for commercial growers, makes one spraying do the work of several. gal., $9.90; 5 gal., $44.50; 10 gals., $86.00; 30-gal. drums at $7.15 per gal.

NICOTINE PYROX. 17.6 oz. jars, doz., $4.20; carton of 24, $7.84; 5 lbs., $1.50; case of 12, $14.00.;

PYROTE. Double acting non-poisonous insect spray. 1 oz. bottles, 12 to a display carton price, $2.75; 6 oz. bottles, 12 to a display carton price, $8.00; gal. $11.00.

RATKISSES. Put up on easel card holding 12—25c pkgs., containing 12 ratkisses each. Price, per card, $2.00; six or more cards at $1.80 per card.

RED ARROW Assortment for resale. Per carton of 24 oz. bottles and 2 ¼-pint bottles, price, $5.40. Retails for $10.40. ¼ pt., doz., $8.00; pt., $2.50; qt., $3.60; gal., $10.70; case 6—1 gal. cans at $10.35 gal.

ROTECIDE. Standard rotenone spray. Oz. bottles, doz., $2.50; per pint, $1.75; qt., $3.00; gal., $8.00; 5 gals., $35.00; 15 gals., $95.00.

SLUG SHOT. Hammond's. An insecticide for destroying chewing insects. Doz. 1-lb. pkgs. for $1.80; 5-lb. pkgs., 6 for $3.60; 125 lb. keg, $12.50; 250 lbs. in bulk, $24.00.

TREE TANGLEFOOT. 6 oz., doz., $3.00; case of 24 cans $5.60; 1-lb. cans, per doz., $5.85; per case of 24, $11.20; 5-lb. can, $2.45; case of 6 $13.20; 10 lbs., $4.50 each; case of 4 cans, $16.80; 25 lbs., $9.50 each.

NICO FUME PRESSURE FUMIGATOR. Put up in ½ lb. and 1 lb. cans, powder is now burned under pressure giving better control of insects. The cans have a sparkler for lighting the powder. ½ lb. cans, 45c; six for $2.40; Doz., $4.20; 1 lb. cans, 75c; six for $3.75; doz., $7.00. Orders for 36 1 lb. cans or 60 ½ lb. cans prepaid by freight in United States and many parts of Canada. Also on a combined shipment of both sizes in full case lots weighing a total of not less than 50 lbs.

NICO-FUME POWDER FUMIGATOR. Lights quickly, burns evenly and will not go out. No waste; every particle is consumed. It retains its strength indefinitely. 5-lb. tin, $3.35; 10-lb. tin, $5.85.

NIKOTEEN. 30% grade. For Spraying and Fumigating. Oz. bottle, 35c; Doz., $2.50; ½ pt., $1 00 pt., $1.75; 3 pts., $5.00; original case 10 pts.; $16.00. 40% grade, 4 lbs., $5.75; 8 lbs., $10.00.

NU-GREEN. A remedy for brown patch control in creeping bent lawns. 3 oz., tins each, 35c; doz., $3.00; carton of 36 tins, $8.40; 1 lb. tins, each, $1.45. doz., $11.50; 5 lbs. each, $6.30; case of 6 tins, $28.20; Write for price on larger containers.

PARIS GREEN. A poisonous insecticide in powder form; for insects which chew. ¼ lb., 15c; Doz., $1.50, per lb., 45c; doz. $4.50; 5 lbs., $1.85; 14 lbs., $4.65.

PENETROL. An activator for nicotine spraying solutions. Qt., 75c; gal., $1.75; 5 gals., $6.75.

POMO GREEN. Without nicotine. The new green Fungicide for roses and other flowers and ornamentals; will control black spot, mildew and chewing insects. Lb., 50c; doz., $4.00; 5 lbs., $1.75; 25 lbs., $8.00.

POMO GREEN. With nicotine. 1 lb., 75c; doz., $6.00; 5 lbs., $3.00.

PYRETHRUM POWDER. Per 1 lb., 75c; 5 lbs., $3.00; 10 lbs., $6.00; 25 lbs.; $13.50. Write for price on larger quantities.

RED-O-LEN. Bench powder. 10 lbs., $3.00; 25 lbs., $6.00; 100 lbs., $21.00.

RESPIRATORS. For mild fumigating and dusting. Each $1.75; 3 for $4.95.

ROTOGREEN. Formula 106. Very effective for Thrip, Mite, Red Spider and Mealy Bug, in addition to the more easily controlled pests, does not burn and leaves no poisonous residue. Pint, $1.75; qt , $3.00; gal., $10.00; 5 gals., $45.00.

SELOCIDE. Kills red spiders. Gal., $3.00; 5 gals., $13.50; 10 gals., $24.50; 30 gals., $58.50; 50 gals., $87.50.

SEMESAN. The universal seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. Prices, 2 oz., 35c; Doz., $3.00; 1 lb., $2.25; 5 lbs., $9.90; 25 lbs., $45.50; 100 lbs., $180.00. Write for leaflets, stating for what purpose desired.
Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

SNAROL. New with metaldihyde. An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. Price, 1 ½ lb., 35c; doz., $2.80; 4 lbs., 85c; doz., $6.80; 15 lbs., $3.00; doz., $24.00; 50 lbs., $7.00.

SULPHATE OF IRON. A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. Particulars on application. 5 lbs., 35c; 10 lbs., 65c; 25 lbs., $1.00; 100 lbs., $2.75.

SULPHUR FOR SPRAYING. Magnetic spray. Wettable. Goes into suspension in water immediately like colloidal sulphur, at a lower cost. Price, 4 lbs., 50c; 100 lbs., $8.00.

SULROTE. A combination dust sulphur and rotenone. 1 lb., canisters (24 per case), per doz., $3.20.

TARTAR EMETIC. A spray for the control of Thrip, a life saver for gladiolus growers. Price, 1 lb., 70c; 5 lbs., $3.00; 25 lbs., $13.50; 100 lbs , $50.00.

THRIP JUICE No. 2. Destructive for mealy bug, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Per pt., 65c; qt., $1.25; gal., $4.80.

TOBACCO DUST. (Regular Grade.) 10 lbs., 60c; 25 lbs., $1.00; 100 lbs., $2.95.

TOBACCO STEMS. 100 lbs., $2.25; 500 lbs., $9.50; 1,000 lbs., $18.00.

TRI-OGEN. Fungicide insecticide and plant stimulant. A, small kit makes 16 qts., $1.50. B, medium kit makes 64 qts., $4.00. C, large kit makes 32 gallons, $6.00. D, estate kit makes 128 gallons, $20.00.

VERMINE. For eel, cut worms and wire worms, working in the soil. Can be applied to all vegetation. ½ pt., 40c; pt., 75c; qt., $1.10; gal., $3 00.

VOLCK. The Scientific Insecticide for nursery, greenhouse and garden. Controls scale insects, mealy bug, white flies, red spiders, rust mites, aphis and thrips. Qt., 75c; gal., $2.00; 5 gals., $6.25; 14 gal. drum $14.00; 28 gal. drum $25.00; 54 gal. drum, $45.00.

WILSON'S O. K. PLANT SPRAY. Price, qt., $1.00; gal., $3.00; 5 gals. for $12.00.

Freesias CALIFORNIA GROWN

Our Freesias bulbs are grown by specialists who know how to handle the stock from the time of planting until they are packed and shipped. Why take a chance of buying from such dealers that buy from growers who grow for "cut flowers" and do not give their bulbs the best of care in digging, curing and shipping.

Vaughan's 1940 Introductions

KNIPE'S YELLOW

A yellow freesia of unusual sturdy growth, tall straight stems. Flowers large and wide open. Great lasting qualities. Very prolific producer with several laterals, making it a valuable cut flower.

KOKOMO

A very attractive lavender blue. Large open flowers and good long stems. A strong grower with plenty of laterals. We believe the finest lavender to be put on the market.

Prices for Both Varieties. (Limited Stocks Only).

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝	$3.00	$25.00	¾ inch and up	5.00	45.00
⅝ to ¾	$3.50	$30.00			

WHITE CHIEF (Early Giant White)

Brings 3 to 4 times the price of Purity on the Flower Markets. Stems average 18 to 30 inches long; single flowers 2½ inches long. Can be had in bloom first week in January. Forty-five to forty-eight degrees night temperature would bring out the good qualities to perfection. At the prices at which we offer this variety a grower should buy in quantity this year.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ in.	$1.00	$ 7.00	¾ in. and up	$1.75	$12.50
⅝ to ¾ in.	1.60	11.00			

PURITY—TRUE STRAIN

	Per 100	Per 1,000
½ to ⅝ in.	$1.00	$ 6.00
⅝ to ¾ in.	1.60	11.00
¾ in. and up	2.00	15.00

Write for prices on large quantities.

ELDER'S GIANT WHITE (Patented)

Much demand for the flowers on all markets because of the size and strong stems.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ in.	$1.50	$10.00	¾ in. and up	$4.00	$35.00
⅝ to ¾ in.	2.30	17.50			

GOLDEN DAFFODIL

The yellow you must have with your planting of the White varieties. Color, clear, light yellow and orange blotch. Large flowers on strong, stiff stem.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ in.	$1.00	$ 6.00	¾ in. and up	$2.00	$15.00
⅝ to ¾ in.	1.60	11.00			

APOTHEOSE

New. One of the best varieties, very large robust flowers, opening deep mauve-lilac, turning to bright carmine-pink; white throat, tall, rigid stems, extra.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ in.	$1.50	$9.00	⅝ to ¾ in.	$1.75	$12.00

IMPROVED CAROL

A new "distinctly different" variety, this Freesia has large open burnt-orange colored flowers. An exceptionally long heavy stem adds dignity and grace to the Improved Carol. This variety proved to be one of the greatest attractions in the field during the flowering season when thousands of visitors came from miles around to see our Freesias.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ inch.	$3.50	$30.00	⅝ to ¾ inch.	$4.00	$35.00

MISS BLANCHE BLUE (Patented)

Deep blue, large, open flowers; tall, strong stems; long lateral stems making possible even third and fourth cuts; tall, deep-green leaves; a sturdy grower and easy forcer.

	Per 100	Per 1,000
½ to ⅝ in.	$1.75	$12.00
⅝ to ¾ in.	2.35	18.00

MARIE LOUISE VIOLET

This variety is an unusually strong grower, with sturdy stems well above foliage and long laterals—The flower is large of a deep blue violet color, sometimes with a little touch of pink in it, which makes it very attractive.

	Per 100	Per 1000		Per 100	Per 1,000
½ to ⅝	$2.00	$15.00	⅝ to ¾	$2.35	$18.00

MRS. MARC PETERS

A very attractive deep rosy salmon with lower petals blotched orange with yellow. Flowers are of good size and open up well. This variety is one of the earliest to bloom, giving it a special market value.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ in.	$1.75	$12 00	¾ in. and up	$2.50	$20.00
⅝ to ¾ in.	2.00	15.00			

FIELD OF VAUGHAN'S WHITE CHIEF

MIA MARVIN

A gigantic canary yellow with a heavy blotch of deep orange on the lower lip, which is very attractive. The spray is of great size on long, wiry stems. Without a doubt the finest yellow to date.

½ to ⅝ in. ..... Per 100, $3.00; Per 1,000, $25 00

ROSY MORN

The color is a rosy-pink suffused with golden yellow at the base of each petal. Early bloomer. Stem is strong and wiry. The leaves upright and the blossom is of the open, round petal type.

½ to ⅝ in. ..... Per 100, $1.75; Per 1,000, $12.00
⅝ to ¾ in. ..... Per 100, $2.35; Per 1,000, $18.00

RED RIDINGHOOD (Patented)

A new and distinct color in Freesias; blood red, cadmium yellow throat with lines of blood red. Under average greenhouse conditions it will grow to a height of 33 inches. The growth is upright, stems rigid and each bulb produces from 3 to 4 laterals, which lengthens the season considerably. Good for Valentine's Day.

	Per 100	Per 1,000
½ to ⅝ inch	$3.50	$30.00
⅝ to ¾ inch	4.00	35.00
¾ inch and up	4.50	40.00

RUTH CHATTERTON (Patended)

The color is distinctly new to Freesia, the upper portion of the petals, both inside and outside, are tyrian rose shading down the petals to tyrian pink. These colors being shot with delicate streaks of cadmium yellow in varying degrees becoming solid yellow down. into the perianth. The flowers and sprays are gigantic, four and five flowers open at one time. They are delicately perfumed and supported by long, heavy stems with two and three long laterals.

	Per 100	Per 1,000
½ to ⅝ in.	$2.90	$24.00
⅝ to ¾ in.	3.50	28.00
¾ in. and up	4.00	33.00

SUNSET

An entirely new color in Freesias being a flame orange, reminding you of the glorious sunsets of California. This variety was the greatest attraction in the field during the flowering season.

	Per 100	Per 1,000		Per 100	Per 1,000
½ to ⅝ in.	$1.50	$10.00	¾ in. and up	$2.25	$18.00
⅝ to ¾ in.	1.90	14.00			

White Calla

(Aethiopica) Ready in September

Callas being natives of swampy regions grow to best advantage where there is an abundance of moisture, and are therefore very difficult to handle in the curing. Some growers practice **premature cutting off the tops,** expose bulbs to **the sun,** in order to make **early shipment.**

Our stock is **thoroughly cured in the ground** and **dried** thoroughly before they are packed. This means **later delivery** but better results can be obtained from such bulbs.

We caution forcers of Callas to water this stock sparingly after planting because Calla bulbs store up considerable moisture.

Size	Per 100	1,000
1¼-1½ inches	$ 4.50	$ 40.00
1½-1¾ inches	8.00	75.00
1¾ inches and up	13.00	125.00

Baby Callas

Dwarf White Fine for Pots.

Top size, per 100 ..... $12.00 | First size, per 100 ..... $10.00

Bulbs for Mid-Summer and Early Fall

Lilies FROM COLD STORAGE

They are Always in Demand During Summer and Fall Before New Crop is Ready. Plant Every Two Weeks. Shipped to You from Nearest Warehouse.

GIGANTEUM

	Per Case
7 to 9-inch, 300 to case	$17.50
8 to 10-inch, 225 to case	18.50

LESS THAN CASE LOTS FROM CHICAGO. 15% HIGHER

True Lilium Harrisii

Grown for us by one of the most reliable growers.

	Per Case F.O.B. Chicago	Per Case F.O.B. New York
6- 7-inch, 335 bulbs to case	Write for Prices	
7- 9-inch, 200 bulbs to case		
8-10-inch, 150 bulbs to case		
9-11-inch, 100 bulbs to case		
11-13-inch, 50 bulbs to case		

Dutch Iris

	7-8 ctms. Per 1,000	8-9 ctms. Per 1,000
Adrian Backer. A beautiful, large flowering novelty of uniform lilac purple	$28.00	$38.50
A. Bloemaard. Standards dark purplish blue, falls lighter blue, very large flower, early	19.00	26 50
Celestial, Late blue	16.00	26.50
D. Haring. Early flowering. Standards greyish white, falls pure white, very large flower	23.00	31.50
Early Snow. Tall early white	25.00	38.50
Imperator (Filifolia). Deep blue. Good seller, one of the best of greenhouse growing	16.00	26.50
J. W. De Wilde. Uniform dark yellow, a novelty	28.00	.....
Leonardo Da Vinci. Standards creamy white, falls canary yellow with orange stripe, very large flower and early	23.00	34.50
Poggenbeeck. Uniform dark blue. An extra good variety	16.00	26.50
White Excelsior. Uniform pure white, falls very broad, very good form and substance, very early forcer	26.00	36.50
Yellow Queen. Standards pale yellow, falls golden yellow. Thin wiry stems, excellent for forcing or outside, the best medium priced yellow	31.00	.....

We can supply also bulbs of the 6-7 ctms size for outdoor planting Write for special prices.

Tingitana Wedgewood. A seedling of the old favorite Tingitana that is just as early, but a much more reliable bloomer. Can be brought into flower in January, as it is the earliest of Iris. A great cut flower that has commanded enormous prices during the past few years. Light blue in color. 8-9 ctms (For outdoor planting only) per 100 $2.00 per 1,000 $13.50 9-10 ctms., per 100, $3.00; per 1,000, $26.50: 10 ctms. and up, per 100 $4.75; per 1,000 $42.00.

Colchicum

Ready in August

Curious for their habit of blooming without soil. Fall blooming, excellent for retail sales.

	Per 100	1,000
Colchicum Autumnale Major. Light blue	$15.00	$140.00
Speciosum. Deep blue	20.00	190.00

American-Grown Hardy Narcissi

Northwest-Grown Bulbs From Which No Flowers Have Been Cut

PRICES ACCORDING TO GROWERS AGREEMENT CODE

	Double Nose No.1 100	1,000
Emperor. Primrose perianth; deep yellow trumpet	$ 5.50	$51.00
Glory of Sassenheim. Enlarged Victoria bi-color	5.50	51.00
Golden Spur. Golden yellow; early; fine forcer	4.50	40.00
King Alfred. Golden yellow; very large frilled flowers	7.00	65.00
King Alfred. Special. D. N. No. 2	5.50	51.00
Laurens Koster. Poetaz. Pure white perianth, orange-yellow cup	5.00	44.00
Minister Talma. Large golden yellow, yellow trumpet	6.35	58.00
Poeticus Ornatus. White and yellow	4.50	40.00
Sir Watkins. Incomparable sulphur petals, deep yellow cup	5.00	44.00
Spring Glory. Early. White petals, long chrome-yellow trumpet	5.50	51.00
Tresserve. Large yellow trumpet; yellow perianth	6.00	56.00
Victoria. Yellow trumpet, creamy white perianth	5.50	51.00
Von Sion (Double). Golden yellow	5.00	45.00

Narcissus Paper White Grandiflora

From our own imported planting stocks. Inspected by our bulb man in the field and at harvesting time.

Paper Whites. Write for Prices on 5 or More Cases.	100	1,000
12 ctms. Buy these to compete with chain store	$1.60	$11.00
13-14 ctms	2.10	16 00
14-15 ctms	2.60	21.00
15-16 ctms	3.10	26.00
Grand Soliel d'Or, yellow Paper White		
14-15 ctms	4.00	35.00
15-16 ctms	5.00	42.50
16-18 ctms	6.00	55.00

Anemones

One of the most showy flowers, good for cut flowers. They thrive in any soil except a very heavy clay. Set 10 inches apart, about ½ inch deep. Sunny location, plenty of moisture. **Special Mixed,** number one bulbs, per 100, $2.00; per 1,000, $17.50.

Anemone St. Brigid Irish Champions. The largest flowered strain of Anemones ever offered in the United States. Large, brilliant flowers in a wide variety of colors, over 90% full double. Number one bulbs, per 100, $3.00; per 1,000, $25.00.

VAUGHAN'S SEED STORE

47-49 Barclay Street, NEW YORK 601 West Jackson Blvd., CHICAGO

NAME.....Date.....19____
Write very plainly

Post Office.....State.....

Street, P. O. Box
or Rural Delivery.....

Express or
Freight Office {If different from P. O.} ..... Forward Goods by.....
(Parcel Post, Express, Freight or Boat)

AMOUNT ENCLOSED

(SEND NO CASH OR CURRENCY UNLESS REGISTERED)

Make Money Orders or Checks Payable to Vaughan's Seed Store

Money Order $.....
Draft or Check $.....
Postage Stamps$.....
Cash - - - $.....

Table of PARCEL POST RATES to different zones, on other side.

Your local postmaster will tell you in which zone you reside as regards NEW YORK or CHICAGO.

More order blanks will be sent upon request. Always write letters on a separate sheet from your order.

Vaughan's Seed Store, Inc., gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs or plants it sells, and will not be responsible for the crop; and it gives no warranty, express or implied, as to fertilizers, other than in respect to analyses or other data expressly and lawfully required of the seller by statutes.

N. B. Examine seeds closely, test if desired, write us if anything is wrong and we will adjust.

QUANTITY Do not Abbreviate	NAME OF ARTICLE	SIZE	PRICE Dols.	PRICE Cts.
	CASH DISCOUNTS ON ORDERS FROM THIS CATALOGUE Special Cash Discount is allowed on FLOWER SEEDS as follows: On all orders for flower seeds totaling less than $25.00, 5%, and over $25.00, 8%. On all other items a cash discount of 2% is allowed, except on net cash supplies. Discounts as herein specified may be deducted from remittance if cash is enclosed with order.			
	☞ In making your order, please give the sizes and prices to avoid delay and errors.			
	Carried Forward,	lbs.	$	

(OVER)

QUANTITY	NAME OR CATALOG NUMBER OF ARTICLE Where Catalog gives a Number, please order by it.	WEIGHT For Parcel Post Only	PRICE Dols.	 Cts.
	Brought Forward			

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction
Local—Chicago or New York City	7c.	1c. (2 lbs)
First and Second Zone within 150 miles of either	8c.	1.1c.
Third Zone within 150 to 300 miles	9c.	2c.
Fourth Zone within 300 to 600 miles	10c.	3.5c.
Fifth Zone within 600 to 1000 miles	11c.	5.3c.
Sixth Zone within 1000 to 1400 miles	12c.	7c.
Seventh Zone within 1400 to 1800 miles	14c.	9c.
Eighth Zone all over 1800 miles	15c.	11c.

A fraction of a cent in the total amount of postage on any parcel shall be counted as a full cent.

Total Weight,

Amount for Postage

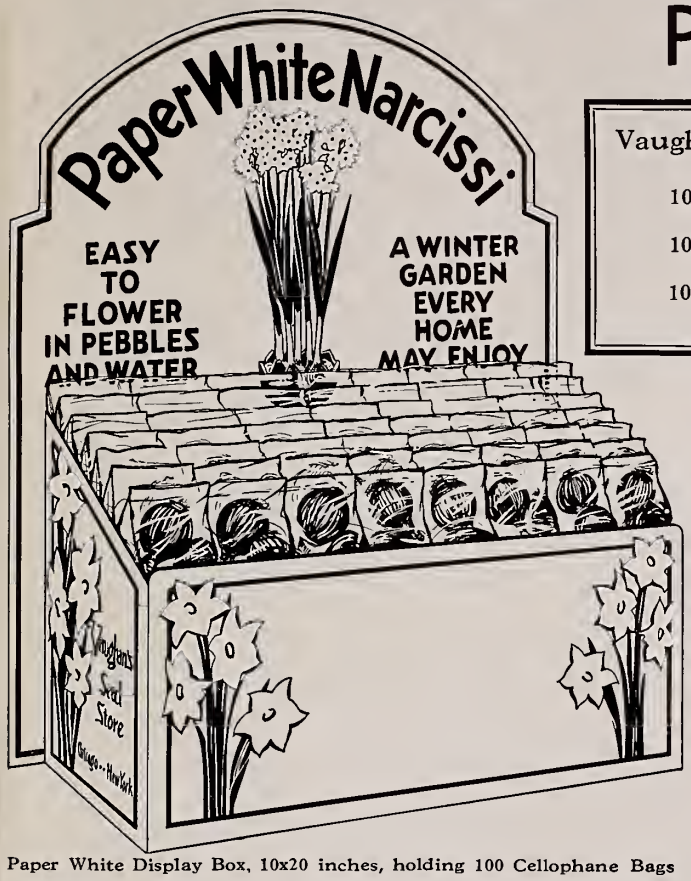
Grand Total, $

Filled by_____ Checked by_____ Packed by_____

Shipped by_____ Style of Package_____

Date_____ Book_____ Weight_____

A Beautiful, Practical, Paper White Display



Paper White Display Box, 10x20 inches, holding 100 Cellophane Bags

Vaughan's Paper White Display Box as Illustrated, together with	
100 Cellophane Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs)	$ 6.00
100 Cellophane Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs)	8.00
100 Cellophane Bags, each holding 3 bulbs, 15-16 ctm., (300 bulbs)	10.00

EVERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs. Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm. circumference and up are of flowering size and highest quality. Three bulbs are enclosed in a cellophane bag which permits complete inspection, but prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, specially reinforced, decorated in black, red and green, will harmonize with your store display and sell its contents. It occupies 10 by 20 inches space, and one filling provides $13 to $20 sales at 100% profit. Why let chain stores get sales which should be yours?

RANUNCULUS

With available flowers for early spring sharply reduced by the effects of war, the problem of every greenhouse owner is: What shall I plant in the benches usually devoted to material shut off by war?

Ranunculus offer an immediate answer to this problem. No other flowers available to the florist can produce such a riot of color. They make an immediate hit with the public, as every flower show proves. Market records show that supplies in the past have sold out quickly at good prices, and next spring they will have far less competition.

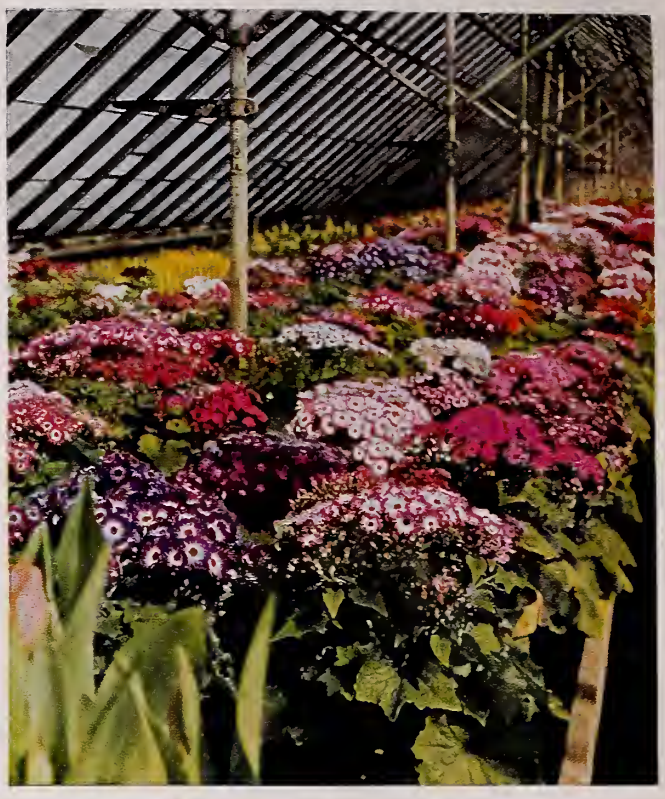
The important thing is to grow a good strain, and Vaughan's exclusive Victoria Hybrids have no rivals in abundant bloom, percentage of doubles, strong stems, and size of flowers. The color range embraces pink, yellow, orange, brilliant scarlet, vivid apricot and innumerable tints of these colors.

Culture is simple, and full directions will be supplied on request.

	Per 100	Per 1000
Victoria Hybrids Mixed Tops	$3.00	$25.00
Mixed First Size	2.00	18.00
Orange	3.00	25.00
Pink	3.00	25.00
Red	3.00	25.00
Yellow	3.00	25.00

WRITE FOR QUANTITY PRICES

PANSY. Vaughan's Long Stemmed Winter-Flowering Reselected Mixed in Our Greenhouses Spring 1940. Trade Pkt., **$1.00.**



CINERARIA. Multiflora Nana Gold Center Mixture. 500 Seeds, **60c;** 1,000 Seeds, **$1.00;** 1/64 oz., **$2.00.**

AQUILEGIA. Special Mixture of Long Spurred Varieties. Trade Pkt., **35c;** ¼ oz., **90c;** oz., **$3.00.**

PRIMULA GIANT MALACOIDES DOUBLE FAIRY JEWELS

This superb new double has literally hundreds of florets, ¾ to 1 inch in diameter, adding a gay, cheery note to a fine pot plant. The doubleness consists of a crested center of 2 or 3 extra rows of petals appearing at first as a tuft in the center of the flower, but later lying flat in double rows when the flowers fully open. The color is a lovely rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed.
Trade Packet (about 1,000 seeds), $1.50

PRIMULA GIANT MALACOIDES ENCHANTRESS

The color is the outstanding character of this single variety —a beautiful, soft salmon rose hitherto unknown in Primula Malacoides. The well rounded, beautifully formed flowers are ⅞ to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes, but quite aside from the plentifully produced large flowers, the color alone merits your purchase of this variety. Trade Packet (about 1,000 seeds), $1.50

PRIMULA GIANT MALACOIDES SNOW FLAKE

Pure glistening white Primulas are not common. Snow Flake has flowers of the purest shimmering snow white one can imagine. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply high-lighted by the lush green foliage. Trade Packet (about 1,000 seeds), $1.00.

PRIMULA GIANT MALACOIDES MIXTURE

The Mixture contains all of the above single varieties, together with a good many others still in the developmental stage. Among these is a most delightful bicolor pink and white which will be ready for introduction as a separate variety within the next year or two. The Mixture is well worth growing for the many previously unknown shades and colors found in it. Flowers are equal in size to the true-to-color varieties now available. Trade Packets (about 1,000 seeds), $1.00.